CURRICULUM VITAE

CARLOS J. LAVERNIA, M.D., F.A.A.O.S

PERSONAL INFORMATION

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Email:	info@drlavernia.com
Mailing Address:	P.O. Box 14-1028 Coral Gables, FL 33114
Current Academic Rank:	Professor Department of Orthopaedics Herbert Wertheim College of Medicine Florida International University Miami, Fl. Courtesy Professor Department of Mechanical and Materials Engineering School of Biomedical, Materials and Mechanical Engineering Florida International University Miami, Fl. Voluntary Professor Department of Public Health Sciences University of Miami Miller School of Medicine Miami, Fl.
Current Hospital Privileges:	Mercy Hospital Coral Gables Hospital South Miami Hospital Miami Surgical Center
Languages: (Spoken & Written)	English Spanish

HIGHER EDUCATION

07/1991-06/1992	John Hopkins University School of Medicine Baltimore, MD	Fellowship Lower Extremity Reconstruction
07/1987-06/1991	University of California, San Diego, California	Residency Orthopaedic Surgery
06/1986-06/1987	University of California, San Diego, California	NIH Fellowship Surgeon /Scientist
06/1985-06/1986	University of California, San Diego, California	Internship General Surgery
08/1981-06/1985	University of Puerto Rico San Juan, Puerto Rico	M.D.
08/1979-06/1981	Tulane University New Orleans, Louisiana	(ABD for a PhD) Biomedical Engineering
08/1978-06/1981	Tulane University New Orleans, Louisiana	M.S. Biomedical Engineering
08/1973-06/1977	Tulane University New Orleans, Louisiana	B.S. Mathematics

CERTIFICATION

January 1, 2025	Recertification Diplomate, American Board of Orthopaedic Surgery
September 2012	Fellow American College of Surgeons
January 1, 2015	Recertification Diplomate, American Board of Orthopaedic Surgery
January 1, 2005	Recertification Diplomate, American Board of Orthopaedic Surgery
July 15, 1994	Diplomate, American Board of Orthopaedic Surgery
June 26, 1986	Diplomate, National Board of Medical Examiners

ACADEMIC APPOINTMENTS

University of Miami, Miller School of Medicine		***Miami, FL***
07/22-05/2028	Voluntary Professor	Department of Public Health Sciences
University of Miami		
8/2023-8/2027	Courtesy Professor *College of Engineering*	Department of Biomedical Engineering
07/02 – 12/15	Voluntary Professor *School of Medicine*	Department of Orthopedics & Rehabilitation
06/01 - 07/02	Professor (Tenured), Orthopedic Surgery *School of Medicine*	Department of Orthopedics & Rehabilitation
07/92 - 07/02	Director Division of Arthritis Surgery *School of Medicine*	Department of Orthopedics and Rehabilitation
07/97 – 06/01	Associate Professor of Orthopaedic Surgery and Biomedical Engineering *School of Medicine*	Department of Orthopedics and Rehabilitation
10/92 - 07/97	Assistant Professor of Biomedical Engineering *School of Engineering*	Department of Biomedical Engineering
07/92 - 07/97	Assistant Professor of Orthopedic Surgery *School of Medicine*	Department of Orthopedics and Rehabilitation

ACADEMIC APPOINTMENTS (*Continued)*

Florida International University		***Miami, FL***
2/2024-2/2026	Professor *Department of Orthopedics*	Department of Orthopedics Herbert Wertheim College of Medicine
8/2023-8/2027	Courtesy Professor *College of Engineering and Computing*	School of Biomedical, Materials and Mechanical Engineering
12/19-12/2023	Courtesy Professor *College of Engineering and Computing*	Department of Mechanical and Materials Engineering
11/17-10/2018	Courtesy Professor *College of Nursing and Health Sciences*	Department of Physical Therapy
05/15 – 04/18	Courtesy Professor *College of Engineering and Computing*	Department of Mechanical and Materials Engineering
01/12 – 01/15	Courtesy Professor *College of Engineering and Computing*	Department of Mechanical and Materials Engineering
05/11 – 05/16	Courtesy Professor *College of Nursing and Health Sciences*	Department of Physical Therapy
08/05 – 08/06	Courtesy Professor *College of Nursing and Health Sciences*	Department of Physical Therapy
11/06-12/09	Adjunct Professor *College of Engineering and Computing*	Department of Mechanical and Materials Engineering Department of Biomedical Engineering
Nova Southeastern University		***Davie, FL***
03/14 – 02/18	Clinical Professor Division of Orthopedic Surgery *College of Osteopathic Medicine*	Department of Surgery

ACADEMIC APPOINTMENTS (*Continued)*

Barry University ***Miami, Fl***

08/01-12/09 Adjunct Clinical Professor
School of Graduate Medical Sciences

University of California ***San Diego, CA***

07/90 - 06/91 Clinical Instructor — Department of Surgery
School of Medicine

Interamerican University ***San Juan, PR***

01/82 - 06/85 Instructor — Department of Mathematics

University of Puerto Rico ***San Juan, PR***

09/82 - 06/85 Instructor — Department of Physiology

Loyola University
New Orleans, LA

01/81 - 07/81 Instructor — Department of Mathematics

Tulane University ***New Orleans, LA***

01/80 - 05/80 Instructor — Department of Biomedical Engineering
School of Engineering

HOSPITAL APPOINTMENTS

09/13 – 12/16	Chief Orthopaedic Surgery	Larkin Community Hospital, South Miami, FL
01/07 – 12/10	Chief Division of Orthopedics	Mercy Hospital Miami, FL
01/03 – 01/04	Vice-Chief Section of Orthopedics	Cedars Medical Center Miami, FL
01/02 - 12/02	Chief Section of Orthopedics	Cedars Medical Center Miami, FL
01/01 - 07/02	Vice-Chief Section of Orthopedics	Cedars Medical Center Miami, FL
07/92 - 07/02	Director Hip and Knee Clinic	Jackson Memorial Hospital Miami, FL
07/92 - 2002	Chief Hip Fracture Service	Jackson Memorial Hospital Miami, FL
01/00 - 12/00	Chief Section of Orthopedics	Cedars Medical Center Miami, FL
01/99 - 12/99	Vice-Chief Section of Orthopedics	Cedars Medical Center Miami, FL

EXPERIENCE

04/22-04/23	Consultant	Intellijoint Surgical
08/18-08/23	Consultant	Stryker Orthopaedics
09/13-12/16	Medical Director Center for Advanced Orthopedic	Larkin Community Hospital South Miami, FL
05/03–07/13	Medical Director Orthopedic Institute at Mercy Hospital	Mercy Hospital Miami, FL
02/95 - 02/99	Medical Advisory Board	Arthritis Foundation Ft. Lauderdale, FL
08/94 - 01/98	National Orthopedic Advisory Panel	Columbia/HCA Nashville, TN
1993 - 1998	Consultant	Columbia/HCA Nashville, TN
01/94 -1996	Orthopedic Advisory Board	Ortho-Graphics, Inc., Salt Lake City, UT
01/94 - 02/96	Orthopedic Advisory Board	Ortho-Graphics, Inc., Salt Lake City, UT
07/94 - 08/95	Elected Governing Council Young Physician Section	Florida Medical Association
07/91 - 07/92	Assistant in Orthopedics Department of Orthopedic Surgery	John Hopkins School of Medicine Baltimore, MD
07/87 - 06/91	Resident, Orthopedic Surgery Department of Surgery	University of California Medical Center San Diego, CA
06/86 - 07/87	NIH Research Fellow Division of Orthopedic Surgery	University of California Medical Center San Diego, CA
06/85 - 06/86	Intern, General Surgery Department of Surgery	University of California Medical Center San Diego, CA

EXPERIENCE *(Continued)*

12/82 - 06/85	Editing Consultant	The College Board San Juan, PR
Summer, 1983	Research Engineer Department of Orthopedic Surgery	Tulane University School of Medicine New Orleans, LA
01/78 - 07/81	Research Engineer Biomaterials Laboratory	Tulane University School of Medicine New Orleans, LA

EDITORIAL BOARDS

01/03 - Present	Reviewer	Clinical Orthopedics and Related Research
01/02 - Present	Reviewer	Journal of Bone and Joint Surgery
01/00 - Present	Reviewer	Journal of Osteoarthritis and Cartilage
07/93 - Present	Editorial Board	Journal of Arthroplasty
12/98 - 2007	Editorial Board	Orthopedic Technology Review
03/94 - 03/97	Editorial Board	Journal of Orthopedic Techniques
12/95 - 01/98	Editor	Columbia/HCA Orthopedic Newsletter

COMMITTEE ASSIGNMENTS

American Association of Hip and Knee Surgeons

02/11 – 02/12	President
02/10 – 02/11	1st Vice President
03/09 – 02/10	2nd Vice President
02/02 – 07/09	AMA – RUC Advisor

COMMITTEE ASSIGNMENTS (*Continued)*

03/08 – 02/09	3rd Vice President
01/03 – 03/08	Treasurer
01/01 – 12/05	Chairman, Government and Insurance Affairs Committee
02/00 – 02/02	Executive Board, Member at Large
01/00 -12/00	Member, Government and Insurance Affairs Committee

American Academy of Orthopaedic Surgeons

2014	Biomedical Engineering Committee
03/13 – 02/2017	Knee Society Health Policy Representative, Board of Specialty Societies
02/99 – 02/05	International Committee

American College of Surgeons

10/13 – 10/16	Advisory Council for Orthopaedic Surgery

Eastern Orthopaedic Association

2014	Nominating Committee

Florida Orthopaedic Society

06/16 – 05/17	Past President
06/15 – 05/16	President
05/14 – 05/15	1st Vice President
05/13 – 05/14	2nd Vice President
06/01 – Present	Board of Directors

COMMITTEE ASSIGNMENTS (*Continued)*

The Hip Society

2011 Nominating Committee Member

UMMG Professional Practices and Standards Committee
03/1997-12/1997 Monitoring Subcommittee

Hispano American Biomedical Association, Inc
1995-1997 Board of Directors

ASSOCIATIONS

American Association of Hip and Knee Surgeons (AAHKS)

American Academy of Orthopaedic Surgeons (AAOS)

American College of Surgeons (ACS)

Florida Orthopaedic Society (FOS)

Hip Society

Knee Society

International Hip Society

JOURNAL ARTICLES

1. "Fracture of Contemporary Femoral Stems: Common Trends in This Rare Occurrence" CJ Lavernia, SD Cook, LP Paton, JT Gibian, TS Hong, I Bendich. *Journal of Arthroplasty* 2023.38 (2023) S285-S291. https://doi.org/10.1016/j.arth.2023.04.025

2. "Robotic-Assisted Total Hip Arthroplasty: An Economic Analysis" CJ Lavernia, J Pierce, K Needham, C Adams, A Coppolecchia. *Journal of Comparative Effectiveness Research*. Vol. 10. No. 16. Published Online:28 Sep 2021 https://doi.org/10.2217/cer-2020-0255.

3. "Robotic Arm-Assisted Knee Surgery: An Economic Analysis" CJ Lavernia, J Pierce, K Needham, C Adams, A Coppolecchia. *J Manag Care*. 2020 Jul 1;26(7):e205-e210. doi: 10.37765/ajmc.2020.43763.

4. "TT4 Robotic-Arm Assisted Total Knee Surgery: An Economic Analysis" CJ Lavernia, J Pierce, K Needham, C Adams, A Coppolecchia. May 2020 *Value in Health* 23: S386 DOI: 10.1016/j.jval.2020.04.1504.

5. "The Effects of Bundled Payment Programs for Hip and Knee Arthroplasty on Patient Reported Outcomes: CJ Lavernia, D Finch, V Pellegrini. *Journal of Arthroplasty* 2020. Apr: 35(4) :918-924. e.7. doi: 10.1016/j.arth.2019.11.028. Epub 2019 Nov 26.

6. "Robotic-Assisted Total Knee Surgery: Is it Worth It?": CJ Lavernia, CL Cool, DA Gregory. *Orthopaedic Proceedings*. October 2019. Vol. 101-B, No. SUPP_11.

7. "The Current Status of Cell-Based Therapies for Primary Knee Osteoarthritis" CJ Lavernia, Vakharia R, JC Alcerro *Orthopedic Clinics.* August 06, 2019 DOI: https://doi.org/10.1016/j.ocl.2019.06.001.

8. "Functional Results After Total Femoral Replacement Extensor Mechanism Graft." C.J. Lavernia, F. Strangmuller, S. Lay. *Archives of Physical Medicine and Rehabilitation.* October 2019. 100(10): e80-e81. DOI: 10. 1016j.ampr.2019.08.233.

9. "Stem Cells and PRP for Knee Osteoarthritis: Prevalence and Cost in South Florida" C.J. Lavernia. *Journal of the American Academy of Orthopaedic Surgeons.* November 28, 2018-Volume Publish Ahead of Print-Issue-p doi:10.5435/JAAOS-D-18-00343.

10. "Rehabilitation Outcomes for Total Knee Arthroplasties: Continuous Adductor Canal Block vs. Continuous Femoral Nerve Block" C.J. Lavernia. *Geriatric Orthopaedic Surgery & Rehabilitation.* Vol. 9 March 2018. doi.org/10.1177/2151458518756190.

11. "Cultural Biases in Current Medical Practices with a Specific Attention to Orthopedic Surgery: A Review" C.J. Lavernia. *Journal of Racial and Ethnic Health Disparities.* July 2017 (Epub ahead of print). pp 5-563-569.

JOURNAL ARTICLES *(Continued)*

12. "Mid-Term Follow-Up of Bilateral THA Performed After Failed Core Decompression and Porous Tantalum Rod Insertion for Femoral Head Osteonecrosis: A Case Report." C.J. Lavernia. *Recent Advances in Arthroplasty.* October 2017 DOI:10.31700/2576-6716.000104.

13. "Primary Total Knee Arthroplasty: How Does Residual Patellar Thickness Affect Patient Oriented Outcomes" C.J. Lavernia. *Journal of Arthroplasty,* December 2017 Volume 32, Issue 12, 3621-3625.

14. "Trunnionosis in Total Hip Arthroplasty" C.J. Lavernia. *Journal of Bone and Joint Surgery.* 2017 Sept 6;99 (17): 1489-1501. doi: 10.2106/JBJS.17.00345.

15. "Prolonged Conservative Management in Total Joint Arthroplasty: Harming the Patient?" C.J. Lavernia. *Journal of Arthroplasty*. September 2017, Volume 32, Issue 9, S81-S85.0

16. "Preoperative Glycemic Control on Total Joint Arthroplasty Patient Perceived Outcomes and Hospital Costs" C.J. Lavernia. *Journal of Arthroplasty*. July 15, 2016 [Epub ahead of print] January 2017, Volume 32, Issue 1, 6-10.

17. "Update on Biomaterials" P.A. Anderson, N.J Giori, C.J. Lavernia, J.M. Villa, A.S. Greenwald. *AAOS Instructional Course Lecture*. Vol 65: pp 449-66. 2016.

18. "Prevent Leg Length Discrepancy and Instability After Total Hip Arthroplasty" P.K. Sculco, M.S. Austin, C.J. Lavernia, A.G. Rosenberg, R.J. Sierra. AAOS Instructional Course Lecture. Vol 65: pp 225-42. 2016

19. "Bilateral atypical femoral fracture and end-stage arthritis of the hip, treated with total hip arthroplasty" S.M. Sandilands, J.M. Villa, C.J. Lavernia. *Arthroplasty Today*. 2016 April 7; 2(4):147-152. https://doi.org/10.1016/j.artd.2016.02.004

20. "Total Joint Replacement Arthroplasty: A Granular Analysis of Outcomes in the Economically Disadvantaged Patient" M.R. D'Apuzzo, J.M. Villa, J.C. Alcerro, M.D. Rossi, C.J. Lavernia. *The Journal of Arthroplasty*. (9 Suppl): pp 41-4 September 31, 2016, Epub March 15, 2016

21. "High Rates of Interest in Sex in Patients with Hip Arthritis" C.J. Lavernia, J.M. Villa. *Clinical Orthopaedics and Related Research.* Vol 474(11): pp 293-9. February 2016 doi: 1.1007/s11999-015-4421-8

22. CORR Insights: How Do Orthopaedic Devices Change After Their Initial FDA Premarket Approval?" C.J. Lavernia, J.M. Villa. *Clinical Orthopaedics and Related Research.* April 2016; Vol. 474(4) pp 1069-71. doi: 10.1007/s11999-016-4698-2. Epub January 14, 2016.

JOURNAL ARTICLES *(Continued)*

23. "Racial Disparities in Lower Extremity Arthroplasty Outcomes and Use" T.P. Pierce, C.J. Lavernia, C.M. Thomas, M.A. Mont. *ORTHOPEDICS*. Vol. 38(12) pp 1139-46. December 1, 2015. doi: 10.3928/01477447-20151123-05

24. "Trunnion Options in Primary Total Hip Arthroplasty in 2014" C.J. Lavernia, C. Emerson, J.M. Villa, S.D. Cook. *ASTM International Selected Technical Paper: Modularity and Tapers in Total Joint Replacement Devices*. pp. 1-9. December, 2015

25. "Does Race Affect Outcomes in Total Joint Arthroplasty" C.J. Lavernia, J.M. Villa. *Clinical Orthopaedics and Related Research.* Vol 473(11) pp 3535-41. November 4, 2015. doi: 10.1007/s11999-015-4481-9

26. "Total Hip Arthroplasty in the Treatment of Osteonecrosis of the Femoral Head: Then and Now" C.J. Lavernia, J.M. Villa. *Current Reviews in Musculoskeletal Medicine*. Vol. 8(3) pp 260-4 September 2015 doi: 10.1007/s12178-015-9290-y

27. "A Current Review of Core Decompression in the Treatment of Osteonecrosis of the Femoral Head" T.P. Pierce, J.J. Jauregui, R.K. Elmallah, C.J. Lavernia, M.A. Mont, J. Nace. *Current Reviews in Musculoskeletal Medicine*. Vol. 8(3) pp 228-32 September 2015 doi: 10.1007/s12178-015-9280-y

28. "Readmission Rates in Total Hip Arthroplasty: A Granular Analysis?" C.J. Lavernia, J.M. Villa. *The Journal of Arthroplasty*. Vol. 30(7) pp 1127-31. July 2015 doi: 10.1016/j.arth.2015.01.028. Epub January 23, 2015.

29. "A Current Review of Core Decompression in the Treatment of Osteonecrosis of the Femoral Head." C.J. Lavernia, T. Pierce, J.J. Jauregui, R.K Elmallah, M.A. Mont, J. Nace. *Current Reviews in Musculoskeletal Medicine*. (2015) 8:228-232. DOI: 10.1007/s12178-015-9280-0. June 2015.

30. "The Cost-Utility of Total Hip Arthroplasty: Earlier Intervention, Improved Economics," C.J. Lavernia, J.M. Villa, D.A. Iacobelli, L. Brooks. *The Journal of Arthroplasty*. Vol. 30(6) pp 945-949. June 2015 doi: 10.1016/j.arth.2014.12.028. Epub January 10, 2015.

31. "CORR Insights: Short-term Complications Have More Effect on Cost-Effectiveness of THA than Implant Longevity" C.J. Lavernia, J.M. Villa. *Clinical Orthopaedics and Related Research* Vol. 473(5) pp 1709-11, May 2015, doi: 10.1007/s11999-015-4185-1. Epub, February 10, 2015.

32. "Trunnion-Head Stresses in THA: Are Big Heads Trouble?" C.J. Lavernia, D.A. Iacobelli, J.M. Villa, K. Jones, J.L. Gonzalez, W.K. Jones. *The Journal of Arthroplasty*, Vol. 30(6) pp 1085-1088. June 2015 doi: 10.1016/j.arth.2015.01.021. Epub January 21, 2015.

JOURNAL ARTICLES *(Continued)*

33. "Rapid Recovery Programs in Arthroplasty the Money Side" C.J. Lavernia, J.M. Villa. *The Journal of Arthroplasty*. Vol. 30(4) pp 533-4, April 2015 doi: 10.1016/j.arth.2015.01.022. Epub, January 22, 2015.

34. "What Is the Role of Mental Health in Primary Total Knee Arthroplasty?" C.J. Lavernia, J.M. Villa, D.A Iacobelli. *Clinical Orthopaedics and Related Research*. Vol. 473(1), pp 159-63, January 2015.

35. "Bone Mineral Density of the Femur in Autopsy Retrieved Total Knee Arthroplasties." C.J. Lavernia, J.A. Rodriguez, D.A. Iacobelli, D.S. Hungerford, K.A. Krackow. *The Journal of Arthroplasty*. Vol. 29(8), pp 1681-6. August 2014 doi: 10.1016/j.arth.2014.03.010. Epub March 15, 2014.

36. "Celecoxib and Heterotopic Bone Formation after Total Hip Arthroplasty." C.J. Lavernia, J.S. Contreras, J.M. Villa, M.D. Rossi. *The Journal of Arthroplasty*, Vol 29(2), pp 390-2, February 2014.

37. "Vitamin D Insufficiency in Patients with THA: Prevalence and Effects on Outcome", C.J. Lavernia, J.M. Villa, D.A Iacobelli, M.D. Rossi, *Clinical Orthopaedics and Related Research*, CORR. Vol 472(2), pp 681-6, February 2014.

38. "Readmission Rates in the State of Florida: A Reflection of Quality?" C.J. Lavernia, J.M. Villa, D.A Iacobelli. *Clinical Orthopaedics and Related Research*, CORR. Vol 471(12), pp. 3856-62, December 2013.

39. "Alcohol Use in Elective THR: Risk or Benefit?", C.J. Lavernia, J.M. Villa, J.S. Contreras, *Clinical Orthopaedics and Related Research*, CORR. Vol. 471(2), pp. 504-9, February 2013.

40. "Arthroplasty Knee Surgery and Alcohol Use: Risk Factor or Benefit?" C.J. Lavernia, J.M. Villa, J.S Contreras, *Clinical Orthopaedics and Related Research*, CORR. Vol. 47(1), pp 189-94, January 2013.

41. "Do Patient Expectations About Arthroplasty at Initial Presentation for Hip or Knee Pain Differ by Sex and Ethnicity?" C.J. Lavernia, J.S. Contreras, R. Barrack, J. Parvizi, P. Sharkey. *Clinical Orthopaedics and Related Research*, CORR. Vol. 470(10), pp. 2843-53, October, 2012

42. "Access to Arthroplasty in South Florida", C.J. Lavernia, J.S. Contreras, J.C. Alcerro. *The Journal of Arthroplasty*. Vol. 27(9), pp. 1585-8, October 2012.

43. "Practice Management Strategies among Members of the American Association of Hip and Knee Surgeons", J.R. Lieberman, A.A. Freiberg, C.J. Lavernia. *The Journal of Arthroplasty*. 27(8 Suppl) pp 17-9, September 2012

JOURNAL ARTICLES *(Continued)*

44. "Mental Health and Outcomes in Primary Total Joint Arthroplasty" C. J. Lavernia, J. C. Alcerro, L. Brooks, M.D. Rossi. *The Journal of Arthroplasty*. Vol. 27(7) pp. 1276 - 82, August 2012.

45. "AAOS/ORS/ABJS Musculoskeletal Healthcare Disparities Research Symposium: Editorial comment: A call to arms: eliminating musculoskeletal healthcare disparities. "O'Connor MI, Lavernia CJ, Nelson CL. *Clinical Orthopaedics and Related Research*, CORR. Vol. 469(7) pp1805-8, July 2011

46. "Breakout session: Ethnic and Gender Differences in Diabetic Foot Management and Amputations", A.E. Johnson, C.J. Lavernia, Clinical Orthopaedics and Related Research, CORR. Vol. 469(7), pp. 1967-70, July 2011.

47. "Ethnic and Racial Factors Influencing Well-Being, Perceived Pain, and Physical Function After Primary Total Joint Arthroplasty", C.J. Lavernia, J.C. Alcerro, J.S. Contreras, M.D. Rossi. *Clinical Orthopaedics and Related Research*, CORR. Vol 469(7), pp 1838-45, July 2011.

48. "Quality of Life and Cost Effectiveness One Year after Total Hip Arthroplasty" C.J. Lavernia, J.C. Alcerro. *The Journal of Arthroplasty*, Vol. 26(5), pp 705-9, August 2011

49. "Patient Perceived Outcomes after Primary Hip Arthroplasty: Does Gender Matter?" C.J. Lavernia, J.C. Alcerro, J.S. Contreras, M.D. Rossi. *Clinical Orthopaedics and Related Research*. Vol. 469(2), pp. 348-54, February 2011.

50. "The Peel in TKR Revision: Exposure in the Difficult Knee" C.J. Lavernia, J.S. Contreras, JC Alcerro. *Clinical Orthopaedics and Related Research*, Vol. 469(1), pp. 146-153, January 2011.

51. "Polietileno Revisión Histórica y Estado Actual II" C.J. Lavernia, D. Cardona, J.C. Alcerro. *Acta Ortopédica Mexicana*; Vol. 24 (3): 197-204, May-June 2010.

52. "Polietileno: Revisión Histórica y Estado Actual I" C. J. Lavernia, D. Cardona, J.C. Alcerro. *Acta Ortopédica Mexicana*, Vol. 24 (2): 123-8, March-April 2010.

53. "Knee Arthroplasty: Growing Trends and Future Problems", C.J. Lavernia, J.C. Alcerro, J.S. Contreras. *International Journal of Clinical Rheumatology*, Vol. 5, Number 5, pp. 565-579, October 2010.

54. "Resection Arthroplasty for Failed Patellar Components" C.J. Lavernia, J.C. Alcerro, M.K. Drakeford, A.K. Tsao, Krackow, K.A., D.S. Hungerford. *International Orthopaedics*, Vol. 33(6) 1591-6, December 2009.

JOURNAL ARTICLES *(Continued)*

55. "Is Postoperative Function After Hip or Knee Arthroplasty Influenced by Preoperative Functional Levels?" C.J. Lavernia, M. D'Apuzzo, M.D. Rossi, D. Lee. *The Journal of Arthroplasty*, Vol 24 (7), pp. 1033-43, October 2009.

56. "Fear in Arthroplasty Surgery: The Role of Race" C.J. Lavernia, J.C. Alcerro, M.D. Rossi. *COOR,* Vol. 468(2), pp 547-554. September 2009.

57. "All Patient Refined Diagnosis-Related Groups (APR-DRGs) in Primary Arthroplasty" C.J. Lavernia, A. Laoruengthana, J.S. Contreras, M.D. Rossi. *The Journal of Arthroplasty*, Vol. 24 (6 Suppl): 19-23, September 2009.

58. "The Effects of Blood and Fat on Morse Taper Disassembly Forces" C.J. Lavernia, L. Baerga, R.L. Barrack, E. Tozakoglou, S.D. Cook, L. Lata, M.D. Rossi. The American Journal of Orthopedics, Vol. 38(4), pp 187-90. April 2009.

59. Artroplastia Total de Rodilla" Carlos J. Lavernia, Jose C. Alcerro. *Medico General*, Vol. 13(7), pp.6 - 10, September 2008.

60. "Multimodal Pain Management and Arthrofibrosis" C.J. Lavernia, D. Cardona, M.D. Rossi, D. Lee. *The Journal of Arthroplasty*. Vol. 23 (6 Supp 1), pp.74-9, September 2008.

61. "Accuracy of Knee Range of Motion Assessment After Total Knee Arthroplasty" C.J. Lavernia, M. D'Apuzzo, M.D. Rossi, D. Lee. *The Journal of Arthroplasty*, Vol. 23 (6 Suppl 1), pp.85-9, September 2008.

62. "Higher Incidence of Total Knee Arthroplasty in Women than in Men" C.J. Lavernia. *Orthopedics*, Vol. 31(5), pp.460-1, May 2008.

63. "Revision Total Knee Arthroplasty: Planning, Management, and Controversies". T.K. Fehring, M.J Christie, C.J. Lavernia, J.B. Mason, J.P McAuley, S.J. MacDonald, B.D. Springer. *AAOS Instructional Course Lectures*, Vol. 57: Ch.33 (pp 341 - 63), 2008.

64. "Medicare Physician Reimbursement: Past, Present, and Future". S. Hariri, K. Bozic, C.J. Lavernia, A. Prestipino, H.E. Rubash. *The Journal of Bone and Joint Surgery*, Vol. 89(11), pp.2536 - 46, November 2007.

65. "Patellar Meniscus in Total Knee Arthroplasty" C.J. Lavernia, D.A. Sheldon, V.H. Hernandez, M.R. D'Apuzzo, D.J. Lee, K.A. Krackow, D.S. Hungerford. *Journal of Knee Surgery*, Vol. 20(2), pp.142 - 6, April 2007.

JOURNAL ARTICLES *(Continued)*

66. "MR Imaging After Hip and Knee Replacement" S. Koch, A. Forteza, C.J. Lavernia, J.G. Romano, N. Campo, R. Bhatia, I. Campo-Bustillo. Journal of Neuroimaging, Vol. 17(4), pp.332 - 5, October 2007 "Patellar Meniscus in Total Knee Arthroplasty" C.J. Lavernia, D.A. Sheldon, V.H. Hernandez, M.R. D'Apuzzo, D.J. Lee, K.A. Krackow, D.S. Hungerford. *Journal of Knee Surgery*, Vol. 20(2), pp.142 - 6, April 2007.

67. "Cerebral Fat Microembolism and Cognitive Decline After Hip and Knee Replacement" S. Koch, A. Forteza, C.J. Lavernia, J.G. Romano, I. Campo-Bustillo, N. Campo, S. Gold. *Stroke*, Vol. 38(3):1079 - 81, March 2007.

68. "Neurovascular Injuries in Acetabular Reconstruction Cage Surgery: An Anatomical Study" C.J. Lavernia, C.C. Cook, R.A. Hernandez, R.J. Sierra, M.D. Rossi. *The Journal of Arthroplasty*. Vol. 22(1), pp.124 - 32, January 2007.

69. "Payment Analysis of Total Hip Replacement" C.J. Lavernia, V.H. Hernandez, M.D. Rossi. *Current Opinion in Orthopedics*, Vol. 18(1), pp.23 - 27, February 2007.

70. "Medicare Reimbursement: An Orthopedic Primer" C.J. Lavernia, B. Parsley. *The Journal of Arthroplasty*, Vol. 21(6 Suppl 2), pp.6 - 9, September 2006

71. "Post-Discharge Costs in Arthroplasty Surgery" C.J. Lavernia, M. D'Apuzzo, V.H. Hernandez, M.D. Rossi D.J. Lee. *The Journal of Arthroplasty*, Vol. 21(6 Suppl 2), pp.144 - 50, September 2006.

72. "The Increasing Financial Burden of Knee Revision Surgery in the United States" C.J. Lavernia, D.J. Lee, V.H. Hernandez. *Clinical Orthopaedics and Related Research*, Vol. 446, pp. 221 - 6, May 2006.

73. "Total Joint Arthroplasty: Are we waiting too long?" J.P. Hommen, C.J. Lavernia, V.H. Hernandez. *OTR Surgical Spotlight*, pp. 24-25, January 2006.

74. "Patient-perceived Outcomes in Thigh Pain after Primary Arthroplasty of the Hip" C.J. Lavernia, M. D'Apuzzo, V.H. Hernandez, D.J. Lee. *Clinical Orthopaedics and Related Research*, Vol. 411, pp. 268 - 73, December 2005.

75. "The Economics of Minimally Invasive Total Knee Surgery" T.M. Coon, A.J. Tria, C.J. Lavernia, L. Randall. *Seminars in Arthroplasty*, 16:235 - 238, September 2005.

76. "Race, Ethnicity, Insurance Coverage, and Preoperative Status of Hip and Knee Surgical Patients" C.J. Lavernia, D.J. Lee, R.J. Sierra, O. Gomez-Marin. The Journal of Arthroplasty, Vol. 19(8), pp.978 - 85, December 2004.

77. "Thigh Pain in Primary THA: The Effects of Elastic Moduli" C.J. Lavernia, M. D'Apuzzo, V. Hernandez, and D. Lee. *The Journal of Arthroplasty*, Vol. 19(7 Suppl 2), pp.10 - 6, October 2004.

JOURNAL ARTICLES *(Continued)*

78. "Arthroscopic Shaver-Assisted Total Hip Arthroplasty Revision" C.J. Lavernia, C.E. Moreyra, M. D'Apuzzo. *The Journal of Surgical Orthopedic Advances*, Vol. 13(3), pp.174 - 6, Fall 2004.

79. "Bone and Tissue Allograft Use by Orthopaedic Surgeons" C.J. Lavernia, T.I. Malinin, H.T. Temple, C.E. Moreyra. The Journal of Arthroplasty, Vol. 19(4), pp.430-435, June 2004.

80. "Intractable Chronic Pelvic Pain Relieved After Bone Anchor Removal" S. Riveros, C.J. Lavernia, H.S. Tunuguntla, and A.E. Gousse. *The Journal of Urology*, Vol. 171(3), pp.1242 - 3, March 2004.

81. "Late Vascular Injury Following Intertrochanteric Fracture Reduction with Sliding Hip Screw." C.J. Lavernia, C.E. Moreyra, C.C. Cooke. Journal of Surgical Orthopaedic Advances. 13(3):170-3. February 2004.

82. "Early Failure Mechanisms of Constrained Tripolar Acetabular Sockets Used in Revision Total Hip Arthroplasty" C.C. Cooke, W.J. Hozack, C.J. Lavernia, P. Sharkey, S. Shastri, R.H. Rothman. *The Journal of Arthroplasty*, Vol.18 (7), pp.827 - 33, October 2003.

83. "Omental Interposition for Repair of a Vesico-Acetabular Fistula" A.E. Gousse, K Pareek, C.J. Lavernia, B.R. Kava. *The Journal of Urology*, Vol. 166(6), p.2313, December 2001.

84. "The Effect of Component Design on Range of Motion to Impingement in THA" C.J. Lavernia, R.L. Barrack, R. Thornberry, M. Ries, and E. Tozakoglou. *AAOS Instructional Course Lectures*, Vol. 50, pp.275 – 80, 2001.

85. "Radiographic Wear Measurements in a Cementless Metal-Backed Modular Cobalt-Chromium Acetabular Component." R.L. Barrack, C.J. Lavernia, E.S Szuszczewicz, J. Swahney. *The Journal of Arthroplasty*, Vol. 16(7), pp.820 - 8, October 2001.

86. "Virtual Reality Computer Animation of the Effect of Component Position and Design on Stability After Total Hip Arthroplasty" R.L. Barrack, C.L. Lavernia, M.R. Ries, R. Thornberry, E. Tozakoglou. Orthopedic Clinics of North America, Vol. 32(4), October 2001.

87. "Corrosion Properties of Nanocrystalline Co-Cr Coatings" D. Cheng, V.L. Tellkamp, C.J. Lavernia, E.J. Lavernia. *Annals of Biomedical Engineering*, Vol. 29(9), pp. 803 - 809, September 2001.

JOURNAL ARTICLES *(Continued)*

88. "Activity Level and Wear in Total Knee Arthroplasty: A Study in Autopsy Retrieved Specimens" C.J. Lavernia, R.J. Sierra, D.S. Hungerford, K. Krackow. *The Journal of Arthroplasty*, Vol. 16(4), pp.446 - 53, June 2001.

89. "Hip Hip Hooray!" V.H. Hernandez, C.J. Lavernia, A. Sadun. *OrthoKineticReview*, pp.38-44, February/March 2001.

90. "Artroplastia Total de Rodilla" C.J. Lavernia, A. Sadun. *Medico Interamericano*, Vol. 20(2), pp.56 - 58, February 2001.

91. "Limited Exposure Unicondylar Arthroplasty: Hype or Hope?" C.J. Lavernia, W.V. Burke, A. Sadun. *Current Opinion in Orthopaedics.* 12(1):13-17. DOI:10.1097/00001433-200102000-00003. February 2001.

92. "Displasia de Cadera Infantil" V. Hernandez, C.J. Lavernia. *Medico Interamericano*, Vol. 20(2), pp.62 - 65, February 2001.

93. "La artoplastia de la cadera" C.J. Lavernia, A. Sadun, R.J. Sierra. Medico Interamericano, Vol. 19(4), pp. 178-181, 2000.

94. "The Cost of Teaching Knee Arthroplasty Surgery to Orthopedic Surgery Residents" C.J. Lavernia, R.J. Sierra, R.A Hernandez. *Clinical Orthopaedics and Related Research*, Vol. 380, pp 99 - 107, November 2000.

95. "Osteonecrosis of the Femoral Head" C.J. Lavernia, R.J. Sierra, F.R. Grieco. *The Journal of the American Academy of Orthopedic Surgeons*, Vol. 7(4), pp.250 - 61, July-August 1999.

96. "Technique for a Composite Femoral Intramedullary Plug in Cemented Hip Arthroplasty" P. Owens, C.J. Lavernia. *The Journal of Arthroplasty*, Vol. 14(3), pp. 369 - 71, April 1999.

97. "Nutritional Parameters and Short-Term Outcome in Arthroplasty" C.J. Lavernia, R.J. Sierra, L. Baerga. *The Journal of the American College of Nutrition*, Vol. 18(3), pp.274 - 8, June 1999.

98. "Hemiarthroplasty in Hip Fracture Care: Effects of Surgical Volume on Short-Term Outcome" C.J. Lavernia. *The Journal of Arthroplasty*, Vol. 13(7), pp.774 - 8, October 1998.

99. "Osteochondromatosis: An Unusual Cause of Monoarthritis" C.J. Lavernia, R.J. Sierra. *The Journal of Musculoskeletal Medicine*, Vol.15 (9), pp.5 - 6, September 1998.

100. "Fisiopatología de la Necrosis Avascular en la Cabeza del Fémur" C.J. Lavernia, and F. Grieco. *Medico Interamericano*, Vol. 17(7), pp.370 - 376, July 1998.

JOURNAL ARTICLES *(Continued)*

101. "The Short-Term Economic Implications of Prosthetic Selection in Hemiarthroplasty of the Hip" C.J. Lavernia, R. Lyon. The American Journal of Orthopedics, Vol. 27(6), pp. 415 - 8, June 1998. "Cost Effectiveness of Early Surgical Intervention in Silent Osteolysis" C.J. Lavernia. *The Journal of Arthroplasty*, Vol. 13(3), pp. 277 - 9, April 1998.

102. "Cost Effectiveness of Early Surgical Intervention in Silent Osteolysis" C.J. Lavernia. The Journal of Arthroplasty, Vol. 13(3), pp. 277 - 9, April 1998.

103. "Joint Implant Surgery" D.A. Fisher, S.R. Gawande, and C.J. Lavernia. *Clinical Orthopedics* – India, Vol. 12, pp.125 - 142, March 1998.

104. "Synthesis and Characterization of Nanocrystalline Co-Cr Coatings by Plasma" M.L. Lau, E. Strock, A. Fabel, C.J. Lavernia, and E. Lavernia. *NanoStructured Materials*, Vol. 10(5), pp.723 - 730, 1998. ONR Grants: N00014-94-1-0017 and N0001498-10569

105. "Ice Cream Truck-Related Injuries to Children" S.J. Mubarak, C.J. Lavernia, P.D. Silva. *The Journal of Pediatric Orthopedics*, Vol. 18(1), pp.46 - 8, January/February 1998.

106. "Cost Effectiveness and Quality of Life in Knee Arthroplasty" C.J. Lavernia, J.F. Guzman, A. Gachupin-Garcia. *Clinical Orthopaedics and Related Research*, Vol. 345, pp.134 - 9, December 1997.

107. "A Surgical Draping Technique for Hip Arthroplasty" V. Askins, C.J. Lavernia, and D.S. Hungerford. *The Journal of Orthopedic Techniques*, 4(1), pp.8 - 11, 1996.

108. "Radiologic Densitometry of the Femoral Neck: Biomechanical Comparison of the Various Techniques" C.J. Lavernia, C. Yoo, C. Hall, D. Resnick. *Orthopedics*, Vol. 19(4), pp.331 - 5, April 1996.

109. "The Incidence of Unknown Perforations in Gloves during Routine Surgical Procedures" C.J. Lavernia, H. Backe, and M. Godin. *Contemporary Orthopedics*, Vol. 32(2), pp.91 - 94, February 1996.

110. "Relationship of Surgical Volume to Short Term Mortality, Morbidity and Hospital Charges in Arthroplasty Surgery" C.J. Lavernia, J.F. Guzman. *The Journal of Arthroplasty*, Vol. 10(2), pp.133 - 40, April 1995.

111. "Revision and Primary Hip and Knee Arthroplasty: A Cost Analysis" C.J. Lavernia, M.K. Drakeford, A.K. Tsao, A. Gittelsohn, K.A. Krackow, D.S. Hungerford. *Clinical Orthopaedics and Related Research*, (311), pp.136 - 41, February 1995.

JOURNAL ARTICLES *(Continued)*

112. "Wear in the Porous Coated Anatomic Total Hip Replacement" C.J. Lavernia and D. Hungerford. Seminars in Arthroplasty, Vol. 5(1), pp.20 24, January 1994.

113. "A Common Problem with Cementless Femoral Components" C.J. Lavernia, M.A. Mont, D.S. Hungerford, K.A. Krackow. *Clinical Orthopaedics and Related Research*, (290) pp.310-2, May 1993.

114. "Treatment of Scapholunate Dissociation by Ligamentous Repair and Capsulodesis. C.J. Lavernia, M.S. Cohen, J. Taleisnik. *The Journal of Hand Surgery* 17(2):354-9. DOI:10.1016/0363-5023(92)90419-P. April 1992.

115. "Occult Surgical Glove Perforations in Otolaryngology-Head and Neck Surgery" M.S. Godin, C.J. Lavernia, and J.P. Harris. Archives of Otolaryngology, *Head and Neck Surgery*, Vol. 117(8), pp.910 - 3, August 1991.

116. "Calcium Phosphates as Bone Substitutes" C.J. Lavernia and J. Schoenung. *The American Ceramic Society Bulletin*, pp.95 - 100, January 1991.

117. "The Calcar Femorale: An Anatomic Radiologic and Surgical Correlative Study" R. Stiles, C.J. Lavernia, D. Resnick, and R. Convery. *Investigative Radiology*, 25 (12): 1311 - 1315, 1990.

118. "The Dorsal Branch of the Ulnar Nerve: An Anatomic Study" M.J. Botte, M.S. Cohen, C.J. Lavernia, H.P von Schroeder, H Gellman, E.M. Zinberg. *The Journal of Hand Surgery*, Vol. 15(4), pp.603 - 7, July 1990.

119. "Intramedullary Plugs in Cemented Hip Arthroplasty" G.M. Beim, C.J. Lavernia, and F.R. Convery. *The Journal of Arthroplasty*, Vol. 4(2), pp.139 - 41, June 1989.

120. "Assessment of the Risk of Vertebral Fracture in Menopausal Women" F.R. Covery, C.J. Lavernia. *The Journal of Bone and Joint Surgery*, Vol. 69(6), pp.952-3, July 1987.

121. "Histologic and Microradiographic Evaluation of Textured and Nontextured Aluminum Oxide Dental Implants" S.D. Cook, R.C. Anderson, C.J. Lavernia. *The Journal of Biomaterials Medical Devices and Artificial Organs*, Vol. 11(4) pp.259-69, 1983-1984.

122. "A Biomechanical Analysis of the Etiology of Tibia Vara" S.D. Cook, C.J. Lavernia, S.W. Burke, H.B Skinner, R.J. Haddad Jr. *The Journal of Pediatric Orthopedics*. Vol. 3(4): 449 -54, September 1983.

123. "The Influence of the Bone-Implant Interface Stiffness on Stress Profiles Surrounding Al_3O_3 and Carbon Dental Implants" C.J. Lavernia, S.D. Cook, A.M. Weinstein, and J.J. Klawitter. *Annals of Biomedical Engineering* Vol. 10(3), pp.129 - 138, October 1982.

JOURNAL ARTICLES *(Continued)*

124. "The Effects of Intramedullary Implants on Bone Strains and Remodeling in the Femur" S.D. Cook, A.M. Weinstein, R. Luedemann, C.J. Lavernia, H.B. Skinner, J.J. Klawitter. *The Journal of Biomaterials, Medical Devices and Artificial Organs*. Vol. 10(1), pp. 21 - 40, 1982.

125. "The Mechanical Behavior of Normal and Osteoporotic Femurs before and After Femoral Hemiarthroplasty" S.D. Cook, C.J. Lavernia, A.M. Weinstein, and R.J. Midgett. *Clinical Orthopaedics and Related Research* (170), pp.303 - 312, October 1982.

126. "An Analysis of Stresses in a Dental Implant System" C.J. Lavernia, S.D. Cook, A.M. Weinstein, J.J. Klawitter. J. Biomechanics, Vol. 14(8), pp. 555-560, 1981.

127. "Structural Analysis of Dental Implants" C.J. Lavernia, S.D. Cook, A.M. Weinstein, J.J. Klawitter. *Quintesencia* (14), pp.351 - 358, 1981.

OTHER PUBLICATIONS

1. "The Joint Replacement Surgeon and the Implant Industry" C.J. Lavernia, R. Diaz. *OrthoKnow*, May 2002.

2. "Malum Coxae Senlis, Osteoarthritis of the Hip" V.H. Hernandez, C.J. Lavernia, and A. Sadun. *OrthoKinetic* Review, pp.38 - 44 February/March 2001.

3. "Letter to the Editor-Response to: Glove Perforations by Jane A Petro, MD". C.J. Lavernia. *Contemporary Orthopedics*, Vol 32(5), pp.284, May 1996.

PUBLISHED ABSTRACTS

1. "Electrochemical Damage of the Trunnion in Acetabular Revision Hip Surgery" CJ Lavernia, LP Patron, J Gibian, T Hong, I Bendich, SD Cook. Orthopaedic Proceedings. The International Hip Society Closed Meeting. Boston, May 17-20, 2023. Volume 105-B No. SUPP_12, pages 35-35 Published June 23, 2023. https://doi.org/10.1302/1358-992X.2023.12.035.

2. "Robotic-Arm Assisted Total Knee Surgery: An Economic Analysis" C.J. Lavernia. Accepted as a Podium Presentation. ISPOR 2020. May 18, 2020.

3. "PMD21 Robotic-Assisted Total Hip Replacement: A 90-Day Episode of Care Analysis" CJ Lavernia, J Pierce, K Needham, C Adams, A Coppolecchia. May 1, 2020. Value in Health DOI: https://doi.org/10.1016/j.jval.2020.04.589.

4. "Primary Total Knee Arthroplasty Radiographic Gap in Recovery Room Do We Worry???" CJ Lavernia. Accepted 2020 Annual Meeting of the AAOS, Poster Session (No P0644) March 24, 2020, Orlando, Fl.

5. "Scientific Exhibit SE54 Metallurgy for Surgeons: What You Need to Know" Carlos J. Lavernia, MD, Jesus M. Villa, MD Christopher Emerson, BS, 2015 Annual Meeting Proceedings. Venetian/Sands EXPO – Las Vegas, Nevada. March 24-28, 2015. Available at: http://aaos2015.conferencespot.org/58906-aaos-1.1965581/carlos-j-lavernia-1.1970280

6. "Navigation in Total Hip Replacement (THR): Is It Worth It?" Carlos Lavernia, David Iacobelli, Jesus Villa. Presented at the International Society for Technology in Arthroplasty (ISTA), October 16-19, 2013, Palm Beach, FL. The Bone and Joint Journal Vol. 95-B no. Supp 34 191, 2013.

7. "Patient Perceived Outcomes and Physical Performance in Total Knee Arthroplasty", Carlos J. Lavernia, Juan S. Contreras, Jesus M. Villa, Jose C. Alcerro, Mark Rossi. Presented at the 2012 Annual Meeting of the AAOS, Poster Session (No P200), February 7-11, 2012, San Francisco, CA. (Proceedings p. 711).

8. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" Carlos J. Lavernia, Jesus M. Villa, Juan S. Contreras. Presented at the 2012 Annual Meeting of the AAOS, Podium Presentation (Paper No 265), February 7-11, 2012, San Francisco, CA. (Proceedings p. 846).

9. "Bilateral Knee Replacement: Costs and Reimbursement", Carlos J. Lavernia, Jesus M. Villa, Juan S. Contreras. Presented at the 2012 Annual Meeting of the AAOS, Poster Session (No P264), February 7-11, 2012, San Francisco, CA. (Proceedings p. 865).

PUBLISHED ABSTRACTS *(Continued)*

10. "Self-Perceived Severity of Illness and Hospital Expenditures in Arthroplasty", Carlos J. Lavernia, Jesus M. Villa, Juan S. Contreras. Presented at the 2012 Annual Meeting of the AAOS, Poster Session (No P266), February 7-11, 2012, San Francisco, CA. (Proceedings p. 866).

11. "Readmissions after Primary Total Hip replacement: A Quality Measure?" Carlos J. Lavernia, Jesus M. Villa, Juan S. Contreras. Presented at the 2011 AAHKS Annual Meeting. Dallas, Texas. The Journal of Arthroplasty Vol. 27 No. 2; 2012 pp. 36.

12. "Novel Protocol for Outpatient management of warfarin Prophylaxis Following Total Joint Arthroplasty". Thomas L. Bernasek, Ted William Parcel, Kenneth A. Gustke, Steven Thomas Lyons, Tammy King, Katherine Downes, Carlos J. Lavernia. Presented at the2011 Annual Meeting of the AAOS, Poster Presentation (Poster P147), February 15-19, 2011, San Diego, CA. (Proceedings p. 554).

13. "Access to Arthroplasty: The Medicaid Program", Carlos J. Lavernia, Juan S. Contreras, Carlos Rodriguez, Jose C. Alcerro. Presented at the 2011 Annual Meeting of the AAOS, Podium Presentation, February 15-19, 2011, San Diego, CA. (Proceedings p. 476).

14. "Patellar Thickness and Range of Motion in Primary Total Knee." Carlos J. Lavernia, Juan S. Contreras, Jose C. Alcerro, Mark D. Rossi. Presented at the 2011 Annual Meeting of the AAOS, Poster Session, February 15-19, 2011, San Diego, CA. (Proceedings p. 556).

15. "Celebrex in the Prevention of Heterotopic Bone Formation after Total Hip Arthroplasty." Carlos J. Lavernia, Juan S. Contreras, Jose C. Alcerro, Carlos Rodriguez. Presented at the 2011 Annual Meeting of the AAOS, Poster Session, February 15-19, 2011, San Diego, CA. (Proceedings p. 485).

16. "The Effect of Diabetic Control in Total Joint Arthroplasty Outcomes." Carlos J. Lavernia, Juan S. Contreras, Jose C. Alcerro, Mark D. Rossi. Presented at the 2011 Annual Meeting of the AAOS, Poster Session, February 15-19, 2011, San Diego, CA. (Proceedings p. 509).

17. "Patient Expectations at Initial Presentation for Arthroplasty: The Role of Gender and Ethnicity" Carlos J. Lavernia, Michele R. D'Apuzzo, Javad Parvizi, Robert Barrack. Presented at the 76th Annual Meeting of the AAOS, Podium Presentation, February 24-March 1, 2009, Las Vegas, NV (Proceedings p. 153).

18. "Patient Oriented Outcomes in Osteonecrosis of the Femoral Head" Carlos J. Lavernia, Jose C. Alcerro, Juan S. Contreras, Mark Rossi. Presented at the 76th Annual Meeting of the AAOS, Poster Session, February 24-March 1, 2009, Las Vegas, NV (Proceedings p. 228).

PUBLISHED ABSTRACTS *(Continued)*

19. "The Fear Factor in Total Joint Replacement" Carlos J. Lavernia, Jose C. Alcerro, Juan S. Contreras, Mark Rossi. Presented at the 76th Annual Meeting of the AAOS, Poster Session, February 24-March 1, 2009, Las Vegas, NV (Proceedings p. 238).

20. "Comparative Analysis of Knee Society and Function Scales" Carlos J. Lavernia, Michelle R. D'Apuzzo, David J. Lee. Presented at the 76th Annual Meeting of the AAOS, Poster Session, February 24-March 1, 2009, Las Vegas, NV (Proceedings p. 238).

21. "All-Patient Refined Diagnosis-Related Groups (APR-DRGs) in Primary Arthroplasty" Carlos J. Lavernia, Artit Laoruengthana, Mark Rossi. Presented at the 18th Annual Meeting of AAHKS, Podium Session, November 7 - 8, 2008, Dallas, TX (Paper # 22, pp. 38).

22. "Comparative Analysis of Knee Society Knee and Function Scales" Carlos J. Lavernia, Michele D'Apuzzo, David Lee. Presented at the 75th Annual Meeting of the AAOS, Poster Exhibit, March 5 - 9, 2008, San Francisco, CA (Proceedings p. 490).

23. "All-Patient Refined Diagnosis-Related Groups (APR-DRGs) in Primary Arthroplasty" Carlos J. Lavernia, top Laoruengthana, David Gallego, Mark Rossi, Juan Salvador Contreras. Presented at the 75th Annual Meeting of the AAOS, Podium Session, March 5 - 9, 2008, San Francisco, CA (Proceedings p. 564).

24. "Multimodal Pain Management & Arthrofibrosis in Primary TKR" Carlos J. Lavernia. Presented at the 75th Annual Meeting of the AAOS, Podium Session, March 5 - 9, 2008, San Francisco, CA (Proceedings p. 448).

25. "Old/New Friend in Revision TKR" Carlos J. Lavernia, Artit Laoruengthana, David Gallego, Mark Rossi, Juan Salvador Contreras. Presented at the 75th Annual Meeting of the AAOS, Podium Session, March 5 - 9, 2008, San Francisco, CA (Proceedings p.448).

26. "The Economic Patient Perceived Value of an Arthroplasty" Carlos J. Lavernia, Robert Barrack, Javad Parvizi. Presented at the 75th Annual Meeting of the AAOS, Poster Exhibit, March 5 - 9, 2008, San Francisco, CA (Proceedings p. 570).

27. "Range of Motion and Function in TKA" Carlos J. Lavernia, Emiliano Curia, Michele D'Apuzzo, David Lee, B. Hatten. Presented at the 54th Annual Meeting of the ORS, Poster Exhibit, March 2 - 5, 2008, San Francisco, CA (Transactions p. 107).

28. "Outcome and X-Ray Findings: Treat the X-Ray or Treat the Patient" Carlos J. Lavernia, Diego Cardona. Presented at the 54th Annual Meeting of the ORS, Poster Exhibit, March 2 - 5, 2008, San Francisco, CA (Transactions p. 55).

PUBLISHED ABSTRACTS *(Continued)*

29. "Accuracy of Clinical Range of Motion Assessment" Carlos J. Lavernia, Michele D'Apuzzo, David Lee. Presented at the 17th Annual Meeting of AAHKS, Podium Session, November 2 - 4, 2007, Dallas, TX (JOA Vol.23 (2) Feb. 2008, p. 321).

30. "Multimodal Pain Management & Arthrofibrosis in Primary TKR" Carlos J. Lavernia, Michele D'Apuzzo. Presented at the 17th Annual Meeting of AAHKS, Podium Session, November 2 - 4, 2007, Dallas, TX (JOA Vol.23 (2) Feb. 2008, p. 323).

31. "Navigation in Total Knee Replacement is it worth it?" C.J. Lavernia, J.P. Hommen. Presented at the 17th Annual Meeting of AAHKS, Poster Exhibit, November 2 - 4, 2007, Dallas, TX (JOA Vol.23 (2) Feb. 2008, p. 328).

32. "Patient Expectations at Initial Presentation for Arthroplasty: The Role of Gender and Ethnicity" C.J. Lavernia, M.R. D'Apuzzo, J. Parvizi, R. Barrack. Presented at the 17th AAHKS, Poster Exhibit, November 2 - 4, 2007, Dallas, TX (JOA Vol.23 (2) Feb. 2008, p. 330).

33. "Resource Consumption in Total Knee Arthroplasty Revision" C.J. Lavernia. Presented at the 74th Annual Meeting of the AAOS, Podium Session, February 16, 2007, San Diego, CA (Proceedings p. 47, Paper # 096).

34. "Revision Total Knee Arthroplasty: Planning, Management and Controversies" C.J. Lavernia. Presented at the 74th Annual Meeting of the AAOS, Podium Session, February 16, 2007, San Diego, CA (ICL 2008 p. 341-363).

35. "Navigation in Total Knee Replacement" C.J. Lavernia. Presented at the 74th Annual Meeting of the AAOS, Podium Session, February 16, 2007, San Diego, CA (Proceedings p. 110, Paper # 496).

36. "Thigh Pain in Primary Hip Arthroplasty" C.J. Lavernia. Presented at the 74th Annual Meeting of the AAOS, Podium Session, February 16, 2007, San Diego, CA (Proceedings p. 57, Paper # 164).

37. "Primary Arthroplasty: Should We Wait as Long as Possible?" C.J. Lavernia, M.R. D'Apuzzo, M. Rossi, D.J. Lee. Presented at the 52nd Annual Meeting for the ORS, Poster Exhibit, March 19 - 22, 2006, Chicago, IL (Transactions p. 53).

38. "Resource Consumption in Total Knee Arthroplasty Revision" C.J. Lavernia, V.H. Hernandez, M.R. D'Apuzzo, D.J. Lee. Presented at the 52nd Annual Meeting for the ORS, Poster Exhibit, March 19 - 22, 2006, Chicago, IL (Transactions p. 60).

39. "The Long-Term Influence of Gender on Outcomes Following Arthroplasty Surgery" C.J. Lavernia, V. Behrens, M.R. D'Apuzzo, D.J. Lee. Presented at the 52nd Annual Meeting for the ORS, Poster Exhibit, March 19 - 22, 2006, Chicago, IL (Transactions p.53).

PUBLISHED ABSTRACTS *(Continued)*

40. "Post Discharge Costs in Arthroplasty Surgery" C.J. Lavernia, M.R. D'Apuzzo, D.J. Lee. Presented at the 52nd Annual Meeting for the ORS, Poster Exhibit, March 19 - 22, 2006, Chicago, IL (Transactions p. 53).

41. "Cognitive Dysfunction in Arthroplasty Surgery: Cerebral Fat Embolism?" C.J. Lavernia, S. Koch, A. Forteza, V. Behrens, M. D'Apuzzo, V. Hernandez, D.J. Lavernia. Presented at the 52nd Annual Meeting for the ORS, Podium Session, March 19 - 22, 2006, Chicago, IL (Transactions p. 34).

42. "Intra-Operative Microembolism and Neuropsychological Decline after Hip and Knee Replacement Surgery" S. Koch, A. Forteza, C.J. Lavernia, S. Gold, A. Rabinstein, J. Romano, N. Campo, I. Campo-Bustiillo. Presented as a poster at the 2006 International Stroke Conference, February 16 - 18, 2006, Kissimmee, FL (Stroke. 2007; 38. pp. 1079).

43. "Projections of Total Knee Revision. A Cost Analysis" C.J. Lavernia, V.H. Hernandez, M.R. D'Apuzzo, D. Lee. Presented at the 73rd Annual Meeting for the AAOS, Poster Exhibit, March 22 - 26, 2006, Chicago, IL (Proceedings p.587).

44. "The Fear Factor in Total Joint Replacement" C.J. Lavernia, V.H. Hernandez, M.R. D'Apuzzo, D. Lee. Presented at the 73rd Annual Meeting for the AAOS, Poster Exhibit, March 22 - 26, 2006, Chicago, IL (Proceedings p. 585).

45. "The Femoral Peel Technique for Exposure of Difficult Knee Arthroplasty" C.J. Lavernia, E. Curia, M.R. D'Apuzzo, V.H. Hernandez, D. Lee. Presented at the 73rd Annual Meeting for the AAOS, Poster Exhibit, March 22 - 26, 2006, Chicago, IL (Proceedings p. 563).

46. "Patient Oriented Outcomes in Primary Total Hip Replacement" C.J. Lavernia, M. D'Apuzzo, V.H. Hernandez, D. Lee. Presented at the 73rd Annual Meeting for the AAOS, Poster Exhibit, March 22 - 26, 2006, Chicago, IL (Proceedings p. 501).

47. "Cerebral Fat Embolism during Primary Joint Arthroplasty and Magnetic Resonance Imaging" C.J. Lavernia, S. Koch, A. Forteza, V.H. Hernandez, M. D'Apuzzo, D. Lee. Presented by Dr. P. Hommen at the 73rd Annual Meeting for the AAOS, Podium Session, March 22 - 26, 2006, Chicago, IL (Proceedings p. 554). "Medicare Reimbursement Methodology: The Scientific Analysis. C.J. Lavernia, V.H. Hernandez, M. D'Apuzzo, D. Lee, D. Castilla, E. Roig. Presented at the 73rd Annual Meeting for the AAOS, Podium Session, March 22 - 26, 2006, Chicago, IL (Proceedings p. 653).

PUBLISHED ABSTRACTS *(Continued)*

48. "Electromagnetic Navigation in Total Knee Arthroplasty: The Learning Curve Effect" C.J. Lavernia, M. D'Apuzzo, V.H. Hernandez, H. Prieto, D. Lee, S. Lakka. Presented at the 73rd AAOS, Podium Session, March 22 - 26, 2006, Chicago, IL (Proceedings p.545)

49. "Mental Health and Outcome in Primary Joint Replacement of the Hip and Knee" C.J. Lavernia, V.H. Hernandez, M. D'Apuzzo, D. Lee. Presented by Dr. V. Hernandez at the 73rd Annual Meeting for the AAOS, Podium Session, March 22 - 26, 2006, Chicago, IL (Proceedings p. 541).

50. "Primary Arthroplasty: Should We Wait as Long as Possible?" C.J. Lavernia, M. Rossi, M.R. D'Apuzzo, V.H. Hernandez, D. Lee. Presented by Dr. M. D'Apuzzo at the 73rd Annual Meeting for the AAOS, Podium Session, March 22 - 26, 2006, Chicago, IL (Proceedings p. 474).

51. "Post- Discharge Costs in Arthroplasty Surgery" C.J. Lavernia. Presented at the AAHKS Annual Meeting, Podium Session, November 4 - 6, 2005 (JOA Vol.21 (6) Suppl., Sept. 2006, p. 144-150).

52. "Predictors of Post-Operative Satisfaction among Hip and Knee Surgical Replacement Patients" C.J. Lavernia, R. Diaz, M.R. D'Apuzzo, and D. Lee. Presented at the 72nd Annual Meeting of the AAOS, Poster Session, February 2005, Washington, D.C. (Proceedings p. 378).

53. "Race in Total Joint Replacement" C.J. Lavernia, D. Lee, R. Diaz, and M. D'Apuzzo. Presented at the 72nd Annual Meeting of the AAOS, Poster Session, February 2005, Washington, D.C. (Proceedings p. 441).

54. "Gender Differences in Arthroplasty Surgery" C.J. Lavernia, M. D'Apuzzo, R. Diaz, D. Lee. Presented at the 14th Annual Meeting of the AAHKS, Poster Session, November 2004, Dallas, TX (Poster #11 p. 61).

55. "Mental Health and Outcome in Primary Joint Replacement of the Hip and Knee" C.J. Lavernia, M. D'Apuzzo, V. Hernandez, R. Diaz, and R. Sierra. Presented at the 71st Annual Meeting of the American Academy of Orthopedic Surgeons. Poster session. March 2004, San Francisco, CA (Proceedings, p. 395).

PUBLISHED ABSTRACTS *(Continued)*

56. "Joint Replacement Resident Education and Physician Extenders: A Cost Effectiveness Study" C.J. Lavernia, M. D'Apuzzo, V. Hernandez, E. Roig, and R. Diaz. Presented at the 71st Annual Meeting of the American Academy of Orthopedic Surgeons. Poster session. March 2004, San Francisco, CA (Proceedings, p. 409).

57. "Medicare Reimbursement of Arthroplasty Surgery: A Time Analysis-American Association of Hip and Knee Surgeons" C.J. Lavernia. Presented at the 71st Annual Meeting of the American Academy of Orthopedic Surgeons, Scientific Exhibits Session, March 2004, San Francisco, CA (Proceedings p. 467).

58. "Patient Oriented Outcomes in Core Decompression of the Femoral Head for Atraumatic Osteonecrosis" C.J. Lavernia, V. Hernandez, and M. D'Apuzzo. Presented at the 50th Annual Meeting of the ORS, Poster session, March 2004, San Francisco, CA (Transactions Vol. 29, Poster #1227).

59. "Leg Length Discrepancy in Unilateral Total Hip Replacement: Patient's Perception" C.J. Lavernia, J. Issa, R. Diaz, V. Hernandez, and M. D'Apuzzo. Presented at the 50th Annual Meeting of the ORS, Poster session, March 2004, San Francisco, CA (Transactions Vol. 29, Poster #1370).

60. "Outcome Instruments in Arthroplasty Surgery: Cross-Comparison of Quality-of-Life Indices with Orthopedic Scores" C.J. Lavernia, V. Hernandez, R. Diaz, and M. D'Apuzzo. Presented at the 50th Annual Meeting of the ORS, Poster session, March 2004, San Francisco, CA (Transactions Vol. 29, Poster #1375).

61. "Preoperative Pain Assessment in Revision Hip Arthroplasty" C.J. Lavernia, R. Hernandez, R. Sierra, V. Hernandez, R. Diaz, and M. D'Apuzzo. Presented at the 50th Annual Meeting of the ORS, Poster session, March 2004, San Francisco, CA (Transactions Vol. 29, Poster #1373).

62. "Thigh Pain in Primary THA: The Effects of Elastic Moduli" C.J. Lavernia, M. D'Apuzzo, and V. Hernandez. Presented at the 50th Annual Meeting of the ORS, Poster Session, March 2004, San Francisco, CA (Transactions Vol. 29, Poster #1372).

63. "Thigh Pain in Primary Total Hip Replacement: The Effects of Elastic Moduli" C.J. Lavernia, M. D'Apuzzo, V. Hernandez, and D. Lee. Presented at the 13th Annual Meeting of the AAHKS, Podium Session, October 31 - November 2003, Dallas, TX (JOA Vol.19 (2) Suppl., Feb. 2004, p. 257).

64. "Assessment of Wear in Total Hip Replacement: Inter/Intra Observer Variability" C.J. Lavernia, B. Parsley. Presented as a poster exhibit at the 70th Annual Meeting of the American Academy of Orthopedic Surgeons, February 5 - 9, 2003, New Orleans, LA (Proceedings p. 357).

PUBLISHED ABSTRACTS *(Continued)*

65. "Ethnicity and Gender in Arthroplasty surgery" C.J. Lavernia, A. Corces, R. Pritchard, R. Diaz-Matiz, R. Sierra, V.H. Hernandez. Presented as a poster exhibit at the 70th Annual Meeting of the American Academy of Orthopedic Surgeons, February 5 - 9, 2003, New Orleans, LA (Proceedings p. 359).

66. "Gender Differences in Pre-Operative Pain and Function in Arthroplasty" C.J. Lavernia, A. Corces, R. Pritchard, V.H. Hernandez, D. Lee, O. Gomez, J. Issa, R.M. Diaz. Presented as a poster exhibit at the 70th Annual Meeting of the American Academy of Orthopedic Surgeons, February 5 - 9, 2003, New Orleans, LA (Proceedings p. 367).

67. "Comparison of Quality of Life and Cost Effectiveness After Primary Total Knee and Hip Arthroplasty Surgery: 1 and 4 Year Follow Up" C.J. Lavernia, V.H. Hernandez, R.J. Sierra, R.A. Hernandez. Presented as a poster exhibit at the 70th Annual Meeting of the American Academy of Orthopedic Surgeons, February 5 - 9, 2003, New Orleans, LA (Proceedings p. 389).

68. "Quality of Life and Cost Effectiveness After Total Knee Arthroplasty Surgery: 1 and 4 Year Follow Up" C.J. Lavernia, V.H. Hernandez, R.J. Sierra, R.A. Hernandez. Presented as a poster exhibit at the 70th Annual Meeting of the American Academy of Orthopedic Surgeons, February 5 - 9, 2003, New Orleans, LA (Proceedings p. 405).

69. "Head Trunnion Assembly in Total Hip Replacement: Intraoperative Technique" C.J. Lavernia, L. Baerga, and R. Hernandez. Presented at the Society for Biomaterials 28th Annual Meeting, April 24 - 27, 2002, Tampa, FL (Transactions).

70. "Jumbo Sockets in Revision THR" C.J. Lavernia, R.J. Sierra, J. Manrique, V. Franz and J.A. Rodriguez. Presented at the Society for Biomaterials 28th Annual Meeting, April 24 - 27, 2002, Tampa, FL (Transactions).

71. "Vibration Arthrography to Assess Knee Prosthesis Wear" C.J. Lavernia and C. Patel. Presented as poster exhibit at the 48th Annual Meeting of the Orthopedic Research Society, February 10 - 13, 2002, Dallas, TX (Transactions, p. 84).

72. "The Timing of Arthroplasty: Optimizing the Outcome" C.J. Lavernia, R.A. Hernandez, and R.J. Sierra. Presented as podium presentation at the 69th Annual Meeting of the American Academy of Orthopedic Surgeons, February 13 -17, 2002, Dallas, TX (Proceedings, p. 637).

73. "The Corrosion Properties of Nanocrystalline Co-Cr Coatings" C.J. Lavernia, E.J. Lavernia, D. Cheng, and M.L. Lau. Presented as a poster exhibit at the 69th Annual Meeting of the American Academy of Orthopedic Surgeons, February 13 - 17, 2002, Dallas, TX (Proceedings, p. 460).

PUBLISHED ABSTRACTS *(Continued)*

74. "The Effect of Revision Stem Design on Range of Motion and Stability Following Revision Total Hip Arthroplasty" R. Barrack, R. Thornberry, R. Butler, C. Lavernia, and M. Ries. Presented at the 69th American Academy of Orthopedic Surgeons Annual Meeting, Scientific Exhibit Session, February 13 - 17, 2002, Dallas, TX (Proceedings, p. 731).

75. "The Corrosion Properties of Nanocrystalline Co-Cr Coatings" C.J. Lavernia, E.J. Lavernia, D. Cheng, and M.L. Lau. Presented as a podium presentation at the 48th Annual Meeting of the Orthopedic Research Society, February 10 - 13, 2002, Dallas, TX (Transactions, p. 26).

76. "Effect of Liner Cooling on Acetabular Assembly Forces" C.J. Lavernia and W. Burke. Presented as podium presentation at the 48th Annual Meeting of the Orthopedic Research Society, February 10 - 13, 2002, Dallas, TX (Transactions, p. 30)

77. "Bone Mineral Density in Clinically Successful Autopsy Retrieved Total Knee Replacements" C.J. Lavernia, K.A. Krakow, D.S. Hungerford and J. Rodriguez. Presented as poster exhibit at the 48th Annual Meeting of the Orthopedic Research Society, February 10 - 13, 2002, Dallas, TX (Transactions, p. 80).

78. "Tibial Plateau Coverage in Total Knee Replacement: Ethnicity and Sex" C.J. Lavernia, R.A. Hernandez, F.S. Grieco and R.J. Sierra. Presented as poster exhibit at the 48th Annual Meeting of the Orthopedic Research Society, February 10 - 13, 2002, Dallas, TX (Transactions, p. 80).

79. "Jumbo Sockets in Total Hip Arthroplasty" C.J. Lavernia, V. Franz, J. Rodriguez and R.J. Sierra. Presented as poster exhibit at the 48th Annual Meeting of the Orthopedic Research Society, February 10 - 13, 2002, Dallas, TX (Transactions, p. 82).

80. "Mental Health and Outcome in Primary Joint Replacement" C.J. Lavernia, V.H. Hernandez, and R.J. Sierra. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, Texas (Transactions, p 96) (JOA).

81. "Quality of Life & Cost Effectiveness After Total Hip Arthroplasty Surgery: 1 and 4 Year Follow-Up" C.J. Lavernia, R.J. Sierra, R.A. Hernandez, and V.H. Hernandez. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, Texas (Transactions, p 125) (JOA).

82. "The Timing of Arthroplasty: Optimizing the Outcome" C.J. Lavernia, R.J. Sierra, and R.A. Hernandez. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, Texas (Transactions, p 126) (JOA).

PUBLISHED ABSTRACTS *(Continued)*

83. "Preoperative Pain Assessment in Revision Hip Arthroplasty" C.J. Lavernia, R.A. Hernandez, and R.J. Sierra. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, Texas (Transactions, p 124) (JOA).

84. "Pressing Issues" C.J. Lavernia. Editorial Advisory board in Orthopedic Technology Review, Vol. 4, No. 6, p. 4, November/December 2002.

85. "Constrained Liners in Total Hip Replacement Revision: Analysis of Failures" C.J. Lavernia, M. Phillipon, W. Hozack, R.J. Catanzaro and F. Orozco. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, Texas (Transactions, pg110) (JOA).

86. "Mobile Bearing vs. Fixed Bearing Total Knee Arthroplasty: Postoperative Pain, Function and ROM" C.J. Lavernia, R.A. Hernandez and R.J. Sierra. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, TX (Transactions, p 130) (JOA).

87. "Comorbidities as Predictors of Short-Term Outcome in Primary total Hip Replacement" C.J. Lavernia, A. Sadun, R.A. Hernandez, and R.J. Sierra. Presented as a poster exhibit at the 11th Annual Meeting of the American Association of Hip and Knee Surgeons, November 9 - 11, 2001, Dallas, Texas (Transactions, p 131) (JOA).

88. "Pathological Effects on the Location of the Center of Rotation of the Hip" C.J. Lavernia and V. Franz. Presented at the Society for Biomaterials 27th Annual Meeting, April 24 - 29, 2001, Saint Paul, MN (Transactions).

89. "The Corrosion Properties of Nanocrystalline Co-Cr Coatings" C.J. Lavernia, D. Cheng, M.L. Lau, and E.J. Lavernia. Presented at the Society for Biomaterials 27th Annual Meeting, April 24 - 29, 2001, Saint Paul, MN (Transactions).

90. "Effect of Liner Cooling on Acetabular Assembly Forces" C.J. Lavernia, W.V. Burke, A. Sadun, and R. Sierra. Presented at the Society for Biomaterials 27th Annual Meeting, April 24 - 29, 2001, Saint Paul, MN (Transactions).

91. "Allograft Utilization by Orthopedic Surgeons" C.J. Lavernia and T. Malinin. Presented as podium presentation at the 68th Annual Meeting of the American Academy of Orthopedic Surgeons, February 28 - March 4, 2001, San Francisco, CA (Proceedings, p. 544).

92. "Cost Effectiveness and Quality of Life in Revision Hip Arthroplasty Surgery: 1 and 3 year Follow Up" C.J. Lavernia, R.J. Sierra, R.A. Hernandez, and A. Sadun. Presented as podium presentation at the 68th Annual Meeting of the American Academy of Orthopedic Surgeons, February 28 - March 4, 2001, San Francisco, CA. (Proceedings, p. 614).

PUBLISHED ABSTRACTS *(Continued)*

93. "Quality of Life and Cost Effectiveness after Total Hip Arthroplasty Surgery: 1 and 3 year follow up" Presented as podium presentation at the 68th Annual Meeting of the American Academy of Orthopedic Surgeons, February 28 - March 4, 2001, San Francisco, CA (Proceedings, p. 642).

94. "Neurovascular Injuries in Acetabular Reconstruction Cage Surgery: An Anatomic Study" C.J. Lavernia, C. Cooke, R.A. Hernandez, and R.J. Sierra. Presented as a poster exhibit at the 68th Annual Meeting of the American Academy of Orthopedic Surgeons, February 28 -March 4, 2001, San Francisco, CA (Proceedings, p. 487).

95. "Constrained Liners in Total Hip Replacement Revision: Analysis of Failures" C.J. Lavernia, C. Cooke, R. Catanzaro, M. Phillipon, F. Orozco, and W. Hozack. Presented as a poster exhibit at the 68th Annual Meeting of the American Academy of Orthopedic Surgeons, February 28 - March 4, 2001, San Francisco, CA (Proceedings, p. 482).

96. "Preoperative Pain Assessment in Revision Hip Arthroplasty" C.J. Lavernia, M. Brown, R.J. Sierra, and R.A. Hernandez. Presented as a poster exhibit at the 68th Annual Meeting of the American Academy of Orthopedic Surgeons, February 28 - March 4, 2001, San Francisco, CA (Proceedings, p. 484)

97. "Mental Health & Outcome in Primary Joint Replacement Surgery of the Hip & Knee" C.J. Lavernia, V. Hernandez, A. Sadun, R.J. Sierra, and J. Raposo. Presented at the 47th Annual ORS Meeting, February 25 - 28, 2001, San Francisco, CA (Transactions).

98. "Mobile Bearing vs. Fixed Bearing Total Knee Arthroplasty Postoperative Pain, Function and ROM" C.J. Lavernia, R.J. Sierra, and R.A. Hernandez. Presented as a poster exhibit at the 10th Annual Meeting of the American Association of Hip and Knee Surgeons, November 3 - 5, 2000, Dallas, TX (JOA, Vol.16, No.2, p. 269, February 2001).

99. "Activity Level and Wear in TKR" C.J. Lavernia, D. Hungerford, K. Krackow, R. Hernandez, and R Sierra. Presented at the 67th Annual AAOS Meeting, Podium Presentation, March 15 - 19, 2000, Orlando, FL (Proceedings, p.580).

100. "Head Trunnion Assembly in THR" C.J. Lavernia, R. Hernandez, and L. Baerga. Presented at the 46th Annual ORS Meeting, Poster Session, March 12 - 15, 2000, Orlando, FL (Transactions).

101. "Cadaveric Study of Danger Zones for Screw Placement in Anti-Protrusio Cages" C. Cooke, C.J. Lavernia, R. Hernandez, and R. Sierra. Presented at the 46th Annual ORS Meeting, Poster Session, March 12 - 15, 2000, Orlando, FL (Transactions).

102. "Outcome Instruments: Domain Overlap" C.J. Lavernia, R. Hernandez, and R. Sierra. Presented at the 46th Annual ORS Meeting, Poster Session, March 12 - 15, 2000, Orlando, FL (Transactions).

PUBLISHED ABSTRACTS *(Continued)*

103. "Timing the Surgical Intervention: Optimizing Outcome" C.J. Lavernia, R. Hernandez, and R. Sierra. Presented at the 46th Annual ORS Meeting, Podium Presentation, March 12 - 15, 2000, Orlando, FL (Transactions).

104. "Pain and Function in End Stage Arthritis: Gender, Race and Ethnicity" C. Cooke, C.J. Lavernia, R. Hernandez, and R. Sierra. Presented at the 46th Annual ORS Meeting, Podium Presentation, March 12 - 15, 2000, Orlando, FL.

105. "Anatomic Consequences of Screw Placement in Acetabular Reconstruction Cages" C.J. Lavernia, R.A. Hernandez, and C. Cooke. Presented at the AAHKS Ninth Annual Fall Meeting, November 12 - 14, 1999, Dallas, TX (JOA).

106. "Timing the Surgical Intervention in Arthroplasty Surgery: Optimizing the Outcome" C.J. Lavernia, R.A. Hernandez, and R.J. Sierra. Presented at the AAHKS Ninth Annual Fall Meeting, Poster Session, November 12 - 14, 1999, Dallas, TX (JOA, Vol.15, No.2, p. 257, February 2000).

107. "Nanocrystalline Coating in Cobalt Chrome Substrates for Total Knee Arthroplasty Femoral Components" C.J. Lavernia and E.J. Lavernia. Presented at the 66th Annual AAOS Meeting, February 4 - 8, 1999, Anaheim, CA (Proceedings, p 207).

108. "Head Trunnion Assembly in Total Hip Replacement: Intraoperative Technique" C.J. Lavernia, L. Baerga, R.L. Barrack, and E. Tozakoglou. Presented at the 66th Annual AAOS Meeting, February 4 - 8, 1999, Anaheim, CA (Proceedings, p 189 Vol.15, No.2, p. 254, February 2000).

109. "Cost Utility Ratios in Arthroplasty Surgery" C.J. Lavernia and R.A. Hernandez. Presented at the AAHKS Eighth Annual Fall Meeting, November 6 - 8, 1998, Dallas, TX (JOA, Vol.14, No.2, p.249, February1999).

110. "The Effects Component Position in Motion Impingement and Dislocation in Total Hip Reconstruction (THR)" C.J. Lavernia, R.L. Thornberry, R. Barrack, and E. Tozakoglou. Presented at the 65th American Academy of Orthopedic Surgeons Annual Meeting, Scientific Exhibit Session, 1998, New Orleans, LA.

111. "The Effects of Component Position in Motion to Impingement and Dislocation in THR" R.L. Thornberry, C.J. Lavernia, R.L. Barrack, E. Tozakoglou, and R.L. Thornberry. Presented at the AAHKS 8th Annual Fall Meeting, Poster Session, November 6 - 8, 1998, Dallas, TX (JOA, Vol.14, No.2, p.257, February1999).

112. "The Effects of Neck Geometry in Acetabular Design on Motion to Impingement" C.J. Lavernia, R.L. Barrack, and E. Tozakoglou. Presented at the AAHKS Eighth Annual Fall Meeting, Poster Session, November 6 - 8, 1998, Dallas, TX (JOA, Vol.14, No.2, p.257, February1999).

PUBLISHED ABSTRACTS *(Continued)*

113. "Radiographic Wear in TKR" C.J. Lavernia, R.L. Barrack, R.A. Hernandez and R.J. Sierra. Presented at the AAHKS Eighth Annual Fall Meeting, Poster Session, November 6 - 8, 1998, Dallas, TX (JOA, Vol.14, No.2, p.262, February1999).

114. "Cost Effectiveness and Quality of Life in Knee Arthroplasty Surgery: One Year Follow-Up" C.J. Lavernia, A. Gachupin-Garcia, R.A. Hernandez, and L. Hernandez. Presented at the Scientific Program of the 65th AAOS Annual Meeting, March 19 - 23, 1998, New Orleans, LA (Transactions).

115. "Accuracy of Radiographic Wear Measurements in a Cementless Modular Cobalt-Chrome Acetabular Components" R. Barrack, C.J. Lavernia, and E. Szuszcewicz. Presented at the 65th Annual AAOS Meeting on March 19 - 23, 1998, New Orleans, LA (Transactions).

116. "Outcome Assessment in Arthroplasty Surgery" C.J. Lavernia, A. Gachupin-Garcia, and R.A. Hernandez. Presented at the combined 65th Annual AAOS Meeting and ORS March 16 - 19, 1998, New Orleans, LA (Transactions).

117. "Oxidation of Clinically Successful Tibial Inserts" C.J. Lavernia, K. Krackow, D.S. Hungerford, and W.M. Sanford. Presented at the 65th American Academy of Orthopedic Surgeons Annual Meeting, Poster Exhibit Session, 1998, New Orleans, LA.

118. "Smoking as a Predictor for Cost in Joint Replacement" P. Regala, R. Sierra, C.J. Lavernia, J. Enis. Presented at the 65th American Academy of Orthopedic Surgeons Annual Meeting, Poster Exhibit Session, 1998, New Orleans, LA.

119. "Perioperative X-rays in Arthroplasty Surgery: Outcome and Cost" C.J. Lavernia, R.A. Hernandez, and J. Rodriguez. Presented at the 7th Annual AAHKS Meeting, November 7 - 9, 1997, Dallas, TX (JOA, Vol.13, No.2, p.230, February 1998).

120. "Accuracy of Radiographic Wear Measurements in a Cementless Modular Cobalt-Chrome Acetabular Component" R.L. Barrack, E. Szuszczewicz, and C.J. Lavernia. Presented at the 7th Annual AAHKS Meeting, November 7 - 9, 1997, Dallas, TX (JOA, Vol.13, No.2, p.224, February 1998).

121. "Oxidation of Clinically Successful Tibial Inserts" Presented at the Society for Biomaterials Annual Meeting, Poster Session, April 30 - May 4, 1997, New Orleans, LA (Proceedings, p. 377).

122. "The Patellar Meniscus in Total Knee Replacement" Presented at the Society for Biomaterials Annual Meeting, April 30 - May 4, 1997, New Orleans, LA (Proceedings, p. 101).

PUBLISHED ABSTRACTS *(Continued)*

123. "Periprosthetic Bone Density Distribution in Clinically Successful Total Knee Replacements" Presented at the Society for Biomaterials Annual Meeting, April 30 - May 4, 1997, New Orleans, LA (Proceedings, p. 99).

124. "Tibial Component Fixation in TKR: A Histological Analysis of Autopsy Retrieved Implants" Presented at the Society for Biomaterials Annual Meeting, April 30 - May 4, 1997, New Orleans, LA (Proceedings, p. 97).

125. "Cost Effectiveness & Quality of Life in Arthroplasty Surgery: A One-Year Follow-Up" C.J. Lavernia, J.F. Guzman, A. Gachupin-Garcia, and L. Hernandez. Presented at the AAOS Annual Meeting, February 13 - 17, 1997, San Francisco, CA (Proceedings, p.134).

126. "Cost Effectiveness & Quality of Life in Revision Arthroplasty Surgery" J.F. Guzman, C.J. Lavernia, A. Gachupin-Garcia, and L. Hernandez. Presented at the American Academy of Orthopedic Surgeons Annual Meeting, Poster Session, February 13 - 17, 1997, San Francisco, CA (Proceedings, p. 406)

127. "Medical Severity of Illness in the Short-Term Outcome of Arthroplasty Surgery" C.J. Lavernia and J.F. Guzman. Presented at the American Academy of Orthopedic Surgeons Annual Meeting, Poster Session, 1997, San Francisco, CA (Proceedings, p. 364)

128. "Arthroplasty Implant Standardization in a Multi-National Hospital Corporation: A Surgeon Driven Initiative" C. Savory, C.J. Lavernia, T.A. Collier, and M.L. Louviere. Presented at the American Academy of Orthopedic Surgeons Annual Meeting, Poster Session, 1997, San Francisco, CA (Proceedings, p. 418).

129. "The Modular Morse Taper Junction in Total Hip Replacement" R. Barrack, S. Cook, C.J. Lavernia, S. Jani, and E. Tozakoglou. Presented at the American Academy of Orthopedic Surgeons Annual Meeting, Poster Session, 1997, San Francisco, CA (Proceedings, p. 345).

130. "Outcome Measures in Primary Arthroplasty" C.J. Lavernia, J.F. Guzman, A. Gachupin-Garcia, and L. Hernandez. Presented at the Orthopedic Research Society, February 9-13, 1997, San Francisco, CA (Proceedings, pp. 285-48).

131. "Tibial Component Fixation in TKR: A Histological Analysis of Autopsy Retrieved Implants" C.J. Lavernia, J.F. Guzman, S.D. Cook, K. Krackow, and D.S. Hungerford. Presented at the Orthopedic Research Society, February 9-13, 1997, San Francisco, CA (Proceedings, p. 632).

132. "Tibial Component Fixation in Total Knee Replacement: A Histological Analysis in Autopsy Retrieved Implants" C.J. Lavernia, J.F. Guzman, S.D. Cook, K. Krackow and D. Hungerford. Presented at the AAHKS Annual Meeting, November 8-10, 1996, Dallas, TX (JOA, Vol.12, No.2, p. 222, February 1997).

PUBLISHED ABSTRACTS *(Continued)*

133. "Arthroplasty Implant Standardization in a Multi-National Hospital Corporation: A Surgeon Driven Initiative" C. Savory, C.J. Lavernia, T.A. Collier, and M.L. Louviere. Presented at the AAHKS Annual Meeting, November 8-10, 1996, Dallas, TX (JOA, Vol.12, No.2, p. 227, February 1997).

134. "Quantitation of Wear in Knee Replacement Surgery" C.J. Lavernia. Presented at the AAOS Annual Meeting, February 21-26, 1996, Atlanta, GA (Proceedings, p.177).

135. "Cost Effectiveness and Quality of Life in Arthroplasty Surgery" C.J. Lavernia, J.F. Guzman and A. Gachupin-Garcia. Presented at the AAOS Annual Meeting, Poster Session, February 21 – 26&, 1996, Atlanta, GA.

136. "Cost Effectiveness of Early Surgical Intervention in Silent Osteolysis" C.J. Lavernia, J.F. Guzman, and M. Jimenez. Presented at the AAHKS Annual Meeting, November 10-12, 1995, Dallas, TX (JOA, Vol.11, No.2, p.228, February 1996).

137. "Cost Effectiveness & Quality of Life in Arthroplasty Surgery" C.J. Lavernia, J.F. Guzman, and A. Gachupin-Garcia. Presented at the AAHKS Annual Meeting, November 1995, Dallas, TX (JOA, Vol.11, No.2, p.231, February 1996).

138. "The Effects of Implantation on the Surface Hardness of Clinically Successful Autopsy Retrieved Tibial Inserts" C.J. Lavernia, J.F. Guzman, C. Yoo, K. Krackow, D. Hungerford. Society for Biomaterials, 1995, San Francisco, CA (Proceedings, p.324).

139. "Biological vs. Cemented Fixation in Total Knee Replacement: Wear Rate and Interface Stiffness" C.J. Lavernia, J.F. Guzman, M. Kabo, K. Krackow, and D. Hungerford. Society for Biomaterials, 1995, San Francisco, CA (Proceedings, p.128).

140. "The Effects of Surgical Volume on the Short-Term Outcome of Hemiarthroplasty" C.J. Lavernia and J.F. Guzman. Presented at the AAHKS Annual Meeting, September 1994, Washington, D.C. (JOA, Vol. 10(2):133, 1995).

141. "Biological vs. Cemented Fixation in Total Knee Replacement: Wear Rate and Interface Stiffness" C.J. Lavernia, J.F. Guzman, M. Kabo, K. Krackow, and D. Hungerford. Presented at the AAHKS Annual Meeting, September 1994, Washington, D.C. (JOA).

142. "Polyethylene Wear in Autopsy Retrieved Fully Functional Total Knee Replacement" C.J. Lavernia, J. Guzman, M. Kabo, K. Krackow, and D. Hungerford. Presented at the Orthopedic Research Society, Poster Session, 1994, New Orleans, LA (Proceedings, p.589).

143. "Polyethylene Wear in Autopsy Retrieved Fully Functional Total Knee Replacement" C.J. Lavernia, J. Guzman, M. Kabo, K. Krackow, and D. Hungerford. Society for Biomaterials, 1994, Boston, MA (Proceedings, p.82).

PUBLISHED ABSTRACTS *(Continued)*

144. "Biological vs. Cemented Fixation in Clinically Successful Tibial Trays: A Histological Analysis" C.J. Lavernia, J. Guzman, S.D. Cook, K. Krackow and D. Hungerford. Society for Biomaterials, 1994, Boston, MA (Proceedings, p.87).

145. "Mechanical Characterization of the Interface in Clinically Successful Autopsy Retrieved Total Knee Arthroplasty: Biological Versus Cemented Fixation" C.J. Lavernia, J. Dalton, L. Jones, S.D. Cook, K. Krackow, and D. Hungerford. Society for Biomaterials, 1994, Boston, MA, (Proceedings, p.88).

146. "Outcome Optimization in Arthroplasty Surgery" C.J. Lavernia and J. Shadoan. Presented at the American Academy of Orthopedic Surgery Annual Meeting, Poster Session, 1994, New Orleans, LA.

147. "A PC Based Image Capture/Demographic Database for Outcome Studies in Arthroplasty Surgery" H.S. Roberts, C.J. Lavernia, J. Guzman, and D. Hungerford. Presented at the AAOS Annual Meeting, Poster Session, 1994, New Orleans, LA.

148. "Roentgenographic Identification of Total Hip Devices: An Algorithm to Aid the Surgeons in Revision Surgery" J.C. Fisher and C.J. Lavernia. Presented at the AAOS Annual Meeting, Poster Session, 1994, New Orleans, LA.

149. "Techniques on Wear Patterns" B.A. Schofield, C.J. Lavernia, D. Hungerford, L.C. Jones, and K. Krackow. Presented at the AAOS Annual Meeting, 1994, New Orleans, LA (Proceedings, p.424).

150. "Porous Coated Anatomic Hip Replacement: The First 100 Cases" A. Tsao, C.J. Lavernia, M. Drakeford, D. Hungerford, and K. Krackow. Presented at the AAOS Annual Meeting, 1994, New Orleans, LA (Proceedings, p.435).

151. "Particulate Polyethylene Wear Debris in Tissues Retrieved from Failed Total Joint Arthroplasty" A.K. Tsao, L.C. Jones, C.J. Lavernia, and D.S. Hungerford. Society for Biomaterials, 1993. (Proceedings). C.J. Lavernia, M. Drakeford, A. Tsao, K. Krackow, and D. Hungerford. Presented at the AAOS Annual Meeting, San Francisco, CA, 1993. (Proceedings, p.161).

152. "Resection Arthroplasty for Failed Patellar Components" C.J. Lavernia, M. Drakeford, A. Tsao, K. Krackow, and D. Hungerford. Presented at the AAOS Annual Meeting, 1993, San Francisco, CA (Proceedings, p.164).

153. "Silent Osteolysis: Polyethylene Debris in Cementless Total Hip Replacement" C.J. Lavernia, A. Tsao, and D. Hungerford. Presented at the AAOS Annual Meeting, 1993, San Francisco, CA (Proceedings, p.168).

154. "Revision and Primary Hip and Knee Arthroplasty: A Cost Analysis" C.J. Lavernia. Presented at the AAHKS Annual Meeting, November 1992, Dallas, TX (JOA).

PUBLISHED ABSTRACTS *(Continued)*

155. "Dual X-Ray Absorptiometry Analysis of the Mechanical Properties of Bone and Femoral Hip Prostheses" C.J. Lavernia. American Roentgen Ray Society, May 1992, Orlando, FL (Proceedings).

156. "Ligament Repair and Capsulodesis in the Treatment of Scapholunate Dissociation" C.J. Lavernia, M. Cohen, and J. Taleisnik. International Society for Surgery of the Hand, 1990, Toronto, Canada, (Proceedings).

157. "Sustained Pressurization of PMMA - A Biomechanical Study of the Bone Cement Interface - An In Vitro and In Vivo Comparison" Orthopedic Research Society 35th Annual Meeting, Poster Session, 1989. (Proceedings).

158. "A Comparison of Intramedullary Plugs Used in Total Hip Arthroplasty" G. Beim, C.J. Lavernia, and F.R. Convery. Orthopedic Research Society 35th Annual Meeting, Poster Session, 1989. (Proceedings).

159. "The Effects of Warfarin on the Structural Mechanics of Bone" C.J. Lavernia, P. Price, E. Reindel, S. Bhasin, M. Williamson, and F.R. Convery. Orthopedic Research Society 34th Annual Meeting, Poster Session, February 1988, Atlanta, GA, February (Proceedings).

160. "The Effects of Sustained Pressurization on the Bone Cement Interface Mechanics" C.J. Lavernia, E. Reindel, M. Gomez, P. Compton, S.L. Y Woo, and F.R. Convery. Orthopedic Research Society 34thAnnual Meeting, Poster Session, February 1988 Atlanta, GA (Proceedings).

161. "Assessment of Fracture Risk in Osteoporosis with Three Dimensional and Single Slice Computer Tomography" C.J. Lavernia, S. Bhasin, D. Sartoris, E. Reindel, D. Resnick, J.M. Hollis, S. Garfin, R. Lambiasi, S.L.-Y Woo, and F.R. Convery. Orthopedic Research Society 34th Annual Meeting, Poster Session, February 1988, Atlanta, GA (Transaction).

162. "The Effects of Warfarin on the Ingrowth Kinetics of Porous Coated Devices" C.J. Lavernia, G. Yoshida, E. Reindel, S. Cook, S.L.-Y. Woo, and F.R. Convery. Orthopedic Research Society 34th Annual Meeting, Poster Session, February 1988, Atlanta, GA (Transaction).

163. "Assessment of Fracture Risk in Osteoporosis with Quantitative Computer Tomograph-Biomechanical Correlation" C.J. Lavernia, S. Bhasin, D. Sartoris, D. Resnick, E. Reindel, M.J. Hollis, S. Garfin, R. Lambiasi, S.L.-Y Woo, and F.R. Convery. Western Orthopedic Association 51st Annual Meeting. October 1987, Colorado Springs, CO (Proceedings).

164. "Assessment of Fracture Risk in Osteoporosis with Quantitative Computer Tomograph - Biomechanical Correlation" C.J. Lavernia, F.R. Convery, D. S. Sartoris, S. Bhasin, S.L.-Y Woo, F. Resnik, E. Reindel, M.J. Hollis, S. Garfin, and R. Lambiase. American Orthopedic Association Residents Conference, March 1987, Utah (Proceedings).

PUBLISHED ABSTRACTS *(Continued)*

165. “Three-Dimensional Quantitative Computed Tomography Versus Dual-Photon Absorptiometry of the Proximal Femur: A Biomechanical Comparison.” C.J. Lavernia, R. Lambiase, D.J. Sartoris, L. Fellingham, R. Braverman, S. Woo, R.F. Convery, M.P. Andre, D. Resnick. 6th International Workshop of Bone and Soft Tissue Densitometry. January 1987. Derbyshire, England.

166. "A Biomechanical Analysis of the Etiology of Tibia Vara" S.W. Burke, S.D. Cook, C.J. Lavernia, H.B. Skinner, and R.J. Haddad. Combined Meetings, Ortho Society and Pediatric Orthopedic Study Groups, April 29 - May 4, 1983, Williamsburg, Charlottesville, VA (Proceedings).

167. "A Biomechanical Model for Etiology of Blout's Disease" C.J. Lavernia, S.D. Cook and S.W. Burke. National Student Resident Forum, April 1983, Galveston, TX (Proceedings).

168. Cook, A.M. Weinstein, C.J. Lavernia, and R. Midgett. Orthopedic Research Society 28th Annual Meeting, New Orleans, LA, January 1982. (Transactions).

169. “The Effect of Interface Elastic Modulus on the Stresses Surrounding LTI Carbon and Al_3O_3 Dental Implants" C.J. Lavernia, S.D. Cook, A.M. Weinstein, and J.J. Klawitter. The 34th Annual Conference on Eng. in Med. and Biology. September 1981, Houston, TX (Proceedings).

170. "The Mechanical Behavior of Normal and Osteoporotic Femurs with and without Hemiarthroplasty" S.D. Cook, C.J. Lavernia, A.M. Weinstein, and P.J. Midgett. Society for Biomaterials 7th Annual Meeting and the 13th Annual International Biomaterials Symposium, May 1981, Troy, NY (Proceedings).

171. "The Influence of Femoral Intramedullary Implants on Bone Remodeling" S.D. Cook, J.J. Klawitter, C.J. Lavernia, R. Luedemann, and H.B. Skinner. Society for Biomaterials 7th Annual Meeting and the 13th Annual International Biomaterials Symposium, May 1981, Troy, NY (Proceedings).

172. "An Analysis of Strains in Normal and Osteoporotic Femurs before and after Femoral Arthroplasty" S.D. Cook, R.J. Midgett, A.M. Weinstein, J.J. Klawitter, and C.J. Lavernia. Orthopedic Research Society 27th Annual Meeting, February 1981, Las Vegas, Nevada (Transaction).

173. "The Effects of Implant Elastic Modulus on the Stress Distribution Surrounding Dental Implants" C.J. Lavernia, J.J. Klawitter, A.M. Weinstein, and S.D. Cook. Finite Elements in Biomechanics. Ed. BR Simon. Proc. of Intl. Conf. in Biomech, February 1980, Tucson, AZ (Proceedings).

174. "The Design and Evaluation of Dental Implants with Finite Element Analysis" S.D. Cook, J.J. Klawitter, A.M. Weinstein, and C.J. Lavernia. Finite Elements in Biomechanics. Ed. BR Simon. Proc. of Intl. Conf. in Biomech. February 1980, Tucson, AZ (Proceedings).

PUBLISHED ABSTRACTS *(Continued)*

175. "The Applications of Finite Element Analysis to Dental Implant Design" S.D. Cook, J.J. Klawitter, A.M. Weinstein, S. Das, and C.J. Lavernia. Proc. of 2nd intl. Conf. Math Modeling, 1979, St. Louis, MO (Proceedings).

BOOK CHAPTERS

1. "Preoperative Planning from Medical Issues to Implants" C.J. Lavernia, J.C. Alcerro. The Technique of Total Knee Arthroplasty 2nd Edition. Chapter 5. Does pp 46-58. 2023.

2. "Complications of Uncemented Total Hip Arthroplasty: Success" C.J. Lavernia, M.R. D'Apuzzo, J.M. Villa. Osteonecrosis of the Femoral Head pp225-235. April 2017. DOI:10.1007/978-3-319-50664-7_21.

3. "Complications of Uncemented Total Hip Arthroplasty: Failure" C.J. Lavernia, M.R. D'Apuzzo, J.M. Villa. Osteonecrosis of the Femoral Head pp.237-251. April 2017. DOI:10.1007/978-3-319-50664-7_22.

4. "Complications of Total Hip Arthroplasty" Lavernia, CJ, Engorn JR, Parvizi J. Orthopaedic Knowledge Update: Hip and Knee Reconstruction 5. Chapter 35. October 2016.

5. "Management of Thigh Pain in Cementless Arthroplasty" C.J. Lavernia, J.M. Villa. Techniques in Revision Hip and Knee Arthroplasty. 1st Edition. Section 20, Chapter 70, May 2014.

6. "Complications of Total Hip Arthroplasty" Carlos J. Lavernia, Donald S. Garbuz, Moritz Tannast, Simon D. Steppacher, Stephen B. Murphy, Scott M. Sporer. Orthopedic Knowledge Update: Hip and Knee Reconstruction 4, Chapter 24, pp. 343, December 2011.

7. "How Do You Decide When a Patient is 'Ready' For a Total Knee Replacement? Is There a Downside to Waiting Until They Have More Severe Disease?" C.J. Lavernia, D. Cardona. Curbside Consultation in Knee Arthroplasty, Section 1, pp. 3-5; edited by Craig J. Della Valle MD, SLACK Incorporated, 2008.

8. "Economics of Total Hip Arthroplasty" K.J. Bozic, K.J. Saleh, C.J. Lavernia, and J.P. Parvizi, Economics of THA, The Adult Hip, Second Edition, Lippincott Williams & Wilkins, pp. 829-835, September 2006.

BOOK CHAPTERS *(Continued)*

9. "Cost Analysis of Navigation" C.J. Lavernia, V.H. Hernandez, J.P. Hommen. Navigation and MIS in Orthopedic Surgery, Chapter 8, pp. 61-67; edited by James Stiehl, Werner Konermann, Rolf Haaker and Anthony DiGioia, 2006.

10. "Spinal Orthoses in the Management of Spine Trauma" A.R. Vaccaro, C.J. Lavernia, M. Botte, K. Bergman, and S.R. Garfin. Spine Trauma, Chapter pp. 171-194, First Edition, W.B. Saunders Company, 1998.

11. "Tumors of the Synovium" R. Convery, R. Lyon, and C.J. Lavernia. Rheumatology, Section 3, Chapter 39, pp. 1-8; edited by Klippel and P. Diepps, Gower and London, 1994.

12. "Spinal Orthoses and the Halo Brace" C.J. Lavernia, M. Botte, and S. Garfin. The Spine, Third Edition, pp.1197 - 1224; edited by Richard Rothman and Frederick Simeone, McGraw Hill, 1992.

13. "Post Implantation Evaluation of Surgical Implants" S. Cook and C.J. Lavernia. Handbook of Biomaterials, pp. 140 -148; edited by R. VonRecum, 1987.

PREVIOUS RESEARCH SUPPORT

1. Implant Registry donation from Larkin Community Hospital; $1,500,000.00 (2013 – 2016)

2. Implant Registry. Mercy Hospital; $2,000,000.00 (2002 – 2012).

3. Use of Navigation System in a Hip Fracture Model. A Validation Study Grant; $40,500.00; Carlos J. Lavernia, M.D. Principal Investigator (3/05 - 12/06)

4. Gender, Race and Ethnicity and Arthroplasty Outcome Final Report OREF Clinical Science Research Grant; $99,919.00; Carlos J. Lavernia, M.D. Principal Investigator (a two-year grant, 7/00 - 7/04)

5. A Cost-Effectiveness Outcome Center in Knee Arthroplasty; $266,133.00; Carlos J. Lavernia, M.D. Principal Investigator (5 years, 5/91 - 5/95; Pfizer Corporation)

6. A Computerized Center for Orthopedic Education; $12,000.00; Carlos J. Lavernia, M.D Principal Investigator. (5/93; Health Foundation of South Florida.)

PROFESSIONAL AND HONORARY ORGANIZATIONS

(AAOS) American Academy of Orthopedic Surgeons

(AAHKS) American Association of Hip & Knee Surgeons

American College of Surgeons

The Knee Society

The Hip Society

International Hip Society

Florida Orthopaedic Society

HONORS AND AWARDS

2024	Best Poster Award at the 2024 AAHKS Annual Meeting, Dallas, TX.
2015	Tribute to Dr. Carlos J. Lavernia at the 16th International Meeting of the "Sociedad Mexicana de Cirugía de Cadera", February 10-13, 2016, Leon, Guanajuato, México.
2014	"My Worst-Case Competition Award" at the 2014 Hip Society-AAHK Open Meeting, New Orleans, LA
1996 - 2021	Elected by his peers for the inclusion in Best Doctors in America®
2005	Baer Lecturer Award at the Biennial Meeting and Reunion Weekend Hosted by the John Hopkins Medical and Surgical Association and The John Hopkins School of Medicine, Baltimore, MD
2004	Finalist in the "Physician of the Year" Category-South Florida Business Journal Healthcare Excellence Awards, Miami, FL
2001	"Silver Tongue" Award at the 2001 Kingsmill Symposium, Williamsburg, Virginia
2000	"Outcome Instruments: Domain Overlap," chosen for New Investigator Recognition Award Nomination at the 2000 ORS Annual Meeting.
1998	"Best of the Society" poster exhibit at the 1998 AAHKS 8th Annual Fall Meeting. For "The Effects of Component Position in Motion to Impingement and Dislocation in THR"
1996 - 1997	The Best Doctors in America: Southeast Region
1986 - 1987	NIH Orthopedic Research Training Grant Awardee, (Primary Investigator: Wayne H. Akeson, M.D.)
1983	Distinguished Medical Student, Puerto Rican Medical Association, University of Puerto Rico, San Juan, PR
April 1980	Tau Beta Pi, National Engineering Honor Society
1980 - 1981	Tulane University Graduate Fellowship
1979 - 1981	NIH Research Assistantship
1978 - 1980	Veterans Administration Fellowship

HONORS AND AWARDS *(Continued)*

April 1975	Phi Eta Sigma, National Freshman Honor Society
Fall 1974, Spring 1975	Dean's List, Tulane University, New Orleans, LA

MENTORED AWARDS

2016	First Place at the 2016 Florida Orthopaedic Society Meeting Fellows Research Competition. Presented to Jose Carlos Alcerro for "Total Joint Arthroplasty: A Granular Analysis of Outcomes in the Economically Disadvantaged"
2016	First Place at the 2016 Florida Orthopaedic Society Meeting Research Poster Competition. Presented to Michael Cronin for "Tibio-Femoral Mismatch in Primary TKR: Does it Matter?"
2016	Third Place at the 2016 Florida Orthopaedic Society Meeting Orthobowl. Presented to Kishan Patel and Michael Cronin
2015	Third Place at the 2015 Florida Orthopaedic Society Meeting Fellows Research Competition. Presented to Jesus Villa for "Bilateral Total Knee Replacement (BTKR): Cost and Reimbursement"
2014	First Place at the 2014 Florida Orthopaedic Society Meeting Fellows Research Competition. Presented to Jesus Villa for "Sexual Activity A Quality of Life in Patients Undergoing Total Hip Arthroplasty"
2012	"Southern Orthopedic Association Resident Travel Grant Award" at the 2012 Southern Orthopedic Association Annual Meeting. Presented to Jesus M. Villa for "Bilateral Total Knee Replacement: Cost and Reimbursement" -Faculty Mentor
2012	"Southern Orthopedic Association Resident Travel Grant Award "at the 2012 Southern Orthopedic Association Annual Meeting. Presented to Juan S. Contreras for "Celecoxib & Heterotopic Bone Formation after Total Hip Arthroplasty"-Faculty Mentor
2011	Second place for "Best Paper" at the 2011 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Juan Contreras for "Celebrex in the Prevention of Heterotopic Bone Formation after THA"-Faculty Mentor

MENTORED AWARDS *(Continued)*

2011	First place for "Best Paper" at the 2011 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Jesus Villa for "Readmissions after Primary THA: A Quality Measure"-Faculty Mentor
2009	Second Place for "Best Paper" at the 2009 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Jose Carlos Alcerro for "Primary Arthroplasty of the Knee: Does Gender Matter"-Faculty Mentor
2007	Second Place for "Best Paper" at the 2007 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Diego Cardona for "Mechanical Navigation Back to the Future" - Faculty Mentor
2006	Second Place for "Best Paper" at the 2006 Florida & Alabama Orthopedic Society Meeting Research Fellow Competition. Presented to Michele D'Apuzzo for "Patient Knowledge and Expectations at Initial Presentation for Arthroplasty: The Role of Gender and Ethnicity"- Faculty Mentor
2005	First Place for "Best Paper" at the 2005 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Michele D'Apuzzo for "PA vs. Resident"- Faculty Mentor.
2005	Second Place for "Best Paper" at 2005 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Victor Hernandez for "The Patellar Meniscus in TKR"- Faculty Mentor
2005	"Eastern Orthopedic Association's Resident and Fellow Travel Award" at the EOA 2005 Annual Meeting. Presented to Michele D'Apuzzo for "Resident Education and Physician Extenders in Joint Replacement Surgery: A Cost Effectiveness Study" - Faculty Mentor
2004	First Place for "Best Paper" at the 2004 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Michele D'Apuzzo for "Thigh Pain in Primary Total Hip Replacements: The Effects of Elastic Moduli" - Faculty Mentor
2000	Second Place for "Best Paper" at the 2000 Florida Orthopaedic Society Meeting. Resident award presented to Vince Burke and Alberto Sadun for "The Effect of Liner Cooling on Acetabular Assembly Forces" - Faculty Mentor
1998	First Place for "Best Paper" at the 1998 Florida Orthopaedic Society Meeting Research Fellow Competition. Presented to Alberto Sadun for "Impaction Force in Head/Taper Junctions During THR" - Faculty Mentor

MENTORED AWARDS *(Continued)*

1998	Second Place for "Best Paper" at the 1999 Florida Orthopaedic Society Meeting. Presented to Alberto Sadun for "Medical Comorbidities as Predictors of Short and Long-Term Outcome in Total Hip Replacement" - Faculty Mentor
1994	Second Place for "Best Paper" at the 1994 Florida Orthopaedic Society Meeting. Presented to Phil Regala, for "Radiographic fingerprints for Total Knee Devices" - Faculty Mentor

SELECTED PRESENTATIONS

1. "Avoiding Dislocation in THR: Can Magnets Help?" Poster Presentation at the American Association of Hip and Knee Surgeons Annual Meeting. November 7-10, 2024. Dallas, TX.

2. "Factores de Riesgo y Prevencion". C.J. Lavernia. Presented at the 20th Encuentro Latino America de Cirujanos de Cadera y Rodilla. August 8-10, 2024. Cartagena, Colombia.

3. "RTC en Deformidades del Femur Proximal. C.J. Lavernia. Presented at the 20th Encuentro Latino America de Cirujanos de Cadera y Rodilla. August 8-10, 2024. Cartagena, Colombia.

4. "Copas De Doble Movilidad vs Cabezas Grandes en revisión de RTC". C.J. Lavernia. Presented at the 19th Encuentro Latino America de Cirujanos de Cadera y Rodilla. August 2-5, 2023. Cartagena, Colombia.

5. "Cuanto Duran Las Artroplastias Modernas?" C.J. Lavernia. Presented at the 19th Encuentro Latino America de Cirujanos de Cadera y Rodilla. August 2-5, 2023. Cartagena, Colombia.

6. "Costo-Efectividad de la Cirugía Robótica En Reemplazo Articular." C.J. Lavernia. Presented at the 19th Encuentro Latino America de Cirujanos de Cadera y Rodilla. August 2-5, 2023. Cartagena, Colombia.

7. "Digital Literacy in Orthopedic Patients: The Effects of COVID-19 on Digital Use" C.J. Lavernia. Poster Presentation. Presented at the AOAO 2023 Annual Fall Meeting, October 5-7, 2023. Colorado Springs, CO.

8. "Red Knee in the First 6 Weeks: How Do I Approach This? When to Get Worried?" C.J. Lavernia. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 7-11, 2023. Las Vegas, NV.

9. "Leg Length Discrepancy in Total Hip Replacement: Patients Perception" C.J. Lavernia. Presented at the Annual Hip Society Meeting. September 30-October 1st, 2022. Santa Monica, CA.

10. "Cellulitis in Total Joint Arthroplasty: How to Approach?" C.J. Lavernia. Presented at the Annual Knee Society Meeting. September 8-10, 2022. Park City, UT.

11. "Hemiartroplastia o Arthoplastia Total? C.J. Lavernia. Presented at the 18th Encuentro LatinoAmerica de Cirujanos de Cadera y Rodilla. August 3-6, 2022. Cartagena, Colombia.

12. "Mi Par de Friccion Para El Reemplazo Total De Cadera En Paciente De Alta Demanda." C.J. Lavernia. Presented at the 18th Encuentro Latino America de Cirujanos de Cadera y Rodilla. August 3-6, 2022. Cartagena, Colombia.

SELECTED PRESENTATIONS *(Continued)*

13. "Race and Outcomes in Total Hip Arthroplasty Surgery" C.J. Lavernia. Presented via Zoom at the International Hip Society Meeting, November 4, 2021. Berlin, Germany.

14. "Discharge Disposition after Primary Hip Arthroplasty" C.J. Lavernia. Presented at the Annual Hip Society Meeting. September 25-27, 2019. Kohler, WI.

15. "Robotic Assisted Total Knee Surgery: Is It Worth It" C.J. Lavernia. Presented at the Annual Knee Society Meeting September 5-7, 2019. Cape Neddick, ME.

16. "Return to Sex life: ¿How to do it?" C.J. Lavernia. Presented at 15° Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 7-12, 2019. Cartagena, Colombia.

17. "Economics of Outpatient Total Joint Arthroplasty" C.J. Lavernia Presented at the Florida Orthopaedic Society Meeting, June 20-23, 2019. Orlando, Fl.

18. "Readmissions After Primary Total Knee Arthroplasty: A Granular Analysis" C.J. Lavernia. Poster Presentation. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 16, 2019. Las Vegas, NV.

19. "Discharge Disposition After Arthroplasty: Location, Location, Location…." Presented at the American Academy of Orthopaedic Surgeons Meeting, March 16, 2019. Las Vegas, NV.

20. "Pre-Intervention Opioid Use in Arthroplasty Surgery Quality of Life and Patient Perceived Outcomes" C.J. Lavernia. Poster Presentation. Presented at the American Academy of Hip and Knee Surgeons Meeting, November 1-4, 2018. Dallas, TX.

21. "Pre-Intervention Opioid Use in Primary Hip Arthroplasty Surgery: Quantitate and Detoxify?" C.J. Lavernia. Presented at the Hip Society Meeting, October 4-6, 2018. NY, NY.

22. "Stem Cells and PRP for Knee OA: Usage by Board Certified Surgeons" C.J. Lavernia. September 20-22, 2018. St. Louis, MO.

23. "Pre-Intervention Opioid Use in Arthroplasty Surgery: Quality of Life and Patient Perceived Outcomes." C.J. Lavernia. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 6-10, 2018. New Orleans, LA.

24. "Stem Cells an PRP for Knee OA in South Florida: Usage by Board Certified Surgeons." C.J. Lavernia. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 6-10, 2018. New Orleans, LA.

SELECTED PRESENTATIONS *(Continued)*

25. "Pre-Intervention Opioid Use in Arthroplasty Surgery: Quality of Life and Patient Perceived Outcomes." C.J. Lavernia. Poster Presentation. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 6-10, 2018. New Orleans, LA.

26. "ATC, Luxacion recidivante y recurrente, falla de las ATC contreñidas, Que hacer?" C.J. Lavernia, Presented at the 13th Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 2-5, 2017. Cartagena, Colombia.

27. "El implante" C.J. Lavernia, Presented at the 13th Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 2-5, 2017. Cartagena, Colombia.

28. "Retención de implante en infección. ¿Es posible?" C.J. Lavernia, Presented at the 13th Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 2-5, 2017. Cartagena, Colombia.

29. "Prolonged Conservative Management in Total Joint Arthroplasty: Long Term Effects" C.J. Lavernia, Presented at the Florida Orthopaedic Society, May 18-21, 2017. Key Largo, Fl.

30. "Soft Tissue Balancing in TKA: Hands or Sensors" C.J. Lavernia, J.M. Villa, J.C. Alcerro. Poster Presentation. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 14-18, 2017. San Diego, CA.

31. "Readmissions After Primary Total Knee Replacement: Does it Affect Postoperative Outcomes?" C.J. Lavernia, M. Cronin, K. Patel, J.M. Villa. Poster Presentation. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 14-18, 2017. San Diego, CA.

32. "Prolonged Conservative Management in Total Joint Arthroplasty: Harming the Patient?" C.J. Lavernia, M. Cronin, M.R. D'Apuzzo, A. Heiner, M. Rossi. Presented at the American Academy of Orthopaedic Surgeons Meeting, March 14-18, 2017. San Diego, CA.

33. Prolonged Conservative Management in Total Joint Arthroplasty: Harming the Patient?" C.J. Lavernia, J.M. Villa. Presented at the 26th AAHKS Annual Meeting, November 10-13, 2016. Dallas, TX

34. "Obstructive Sleep Apnea in Total Joint Arthroplasty Patient – Prevalence" C.J. Lavernia, J.M. Villa. Poster Presentation. Presented at the 26th AAHKS Annual Meeting, November 10-13, 2016. Dallas, TX.

35. "Readmissions After Primary Total Knee Replacement Does It Affect Postoperative Outcomes?" C.J. Lavernia, J.M. Villa, Patel, M. Cronin. Poster Presentation. Presented at the 26th AAHKS Annual Meeting, November 10-13, 2016. Dallas, TX

SELECTED PRESENTATIONS *(Continued)*

36. "Obstructive Sleep Apnea in THA Patients" C.J. Lavernia, K. Patel, J.C. Alcerro, J.M. Villa. Presented at the Hip Society Summer Meeting, October 27-29, 2016, Boston, MA

37. "Patient Oriented Outcomes in Primary Total Knee Arthroplasty: Perception or Reality" C.J. Lavernia, J.M. Villa. Presented at the Eastern Orthopedic Association Annual Meeting, October 19-22, 2016, New Orleans, LA

38. "The Effects of Elastic Moduli on Primary THA: A Clinical and Radiographic Follow-Up" C.J. Lavernia, M. D'Apuzzo, J.M. Villa, C.M. Naranjo. Presented at the Hip Society Summer Meeting, October 15-17, 2015, Sonoma, CA

39. "Total Joint Replacement: A Granular Analysis of Outcomes in the Economically Disadvantaged Patient" C.J. Lavernia, M.R. D'Apuzzo, J.M. Villa, J.C. Alcerro. Presented at the American Orthopaedic Association 129th Annual Meeting, June 22-25, 2016, Seattle, WA

40. "Does Ipsilateral Hip Osteoarthritis Affect Primary Total Knee Arthroplasty Outcomes?" C.J. Lavernia, M.R. D'Apuzzo, J.M. Villa, J. Engorn. Presented at the American Orthopaedic Association 129th Annual Meeting, June 22-25, 2016, Seattle, WA

41. "Ethnicity and Postoperative Outcomes in Total Knee Arthroplasty Patients" C.J. Lavernia, J.M. Villa. Presented at the American Orthopaedic Association 129th Annual Meeting, June 22-25, 2016, Seattle, WA

42. "Trunnion Corrosion in Total Hip Arthroplasty". K. Urish, N. Hallah, N.J. Giori, C.J. Lavernia, A.Y. Plakeychuk, B.R. Hamlin, W.M. Milhalko, P.A. Anderson. American Academy of Orthopedic Surgeons Annual Meeting, Scientific Exhibit, March 1-5, 2015, Orlando, Florida.

43. "ABCs of Planning a Knee Arthroplasty" C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 4, 2016, Orlando, Florida

44. "Update on Biomaterials". C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 4, 2016, Orlando, Florida

45. "Qué podemos aprended de las Prácticas de reemplazo de cadera y rodilla en Estados Unidos?". C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 1, 2016, Orlando, Florida.

46. "Tranexamic Acid in Primary TKA: Does it Affect Short Term Outcomes?" S. Sandilands, M.R. D'Apuzzo, J.M. Villa, C.J. Lavernia. Presented at the NSU-COM Residency Fair/ CEME Poster Competition. Poster Presentation November 13, 2015, Ft. Lauderdale, FL

SELECTED PRESENTATIONS *(Continued)*

47. "Patellar Thickness and Range of Motion in Primary Total Knee Arthroplasty" C.J. Lavernia, J.C. Alcerro, J.M. Villa. Presented at the American Association of Hip and Knee Surgeons Annual Meeting. Poster Presentation, November 6 – 8, 2015, Dallas, TX

48. "Total Joint Replacement: A Granular Analysis of Outcomes in the Economically Disadvantaged Patient" C.J. Lavernia, M. D'Apuzzo, J.M. Villa, J.C. Alcerro. Presented at the American Association of Hip and Knee Surgeons Annual Meeting. Poster Presentation, November 6 – 8, 2015, Dallas, TX

49. "The Effects of Elastic Moduli on Primary THA: A Clinical and Radiographic Follow-Up" C.J. Lavernia, M. D'Apuzzo, J.M. Villa, C.M. Naranjo. Presented at the American Association of Hip and Knee Surgeons Annual Meeting. Poster Presentation, November 6 – 8, 2015, Dallas, TX

50. "The Effects of Elastic Moduli on Primary THA: A Clinical and Radiographic Follow-Up" C.J. Lavernia, M. D'Apuzzo, J.M. Villa, C.M. Naranjo. Presented at the Hip Society Summer Meeting, October 15-17, 2015, Sonoma, CA

51. "Tibio-Femoral Mismatch in Primary TKR: Does it Matter?" C.J. Lavernia, J.M. Villa, M. D'Apuzzo, M. Cronin. Presented at the Knee Society Members Meeting, September 24 – 26, 2015, San Francisco, CA

52. "Tapered Stems: The Effects of Elastic Modulus on Roentgenographic Remodeling" C.J. Lavernia, L.T. Boquin, J.M. Villa. Presented at the International Hip Society Closed Meeting, September 10-12, 2015, Chicago, IL

53. "Resident Education and Physician Assistants in Joint Replacement Surgery: Cost and Outcomes" C.J. Lavernia, J.M. Villa. Presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC

54. "Diabetic Control in Total Joint Arthroplasty" C.J. Lavernia, J.M. Villa. Presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC

55. "Computer-Assisted Orthopaedic Surgery (CAOS) In the Treatment of Intertrochanteric Fractures" C.J. Lavernia, J.M. Villa. Presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC.

56. "Allogenic Transfusion in Primary Hip & Knee Arthroplasty Tranexamic Acid: A New Threshold for Pre-Operative Intervention" S. Sandilands, C.J. Lavernia, M. D'Apuzzo, J.M. Villa. Presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC

SELECTED PRESENTATIONS *(Continued)*

57. "Ethnicity and Postoperative Outcomes in Total Knee Arthroplasty Patients" C.J. Lavernia, J.M. Villa. Poster Presentation presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC

58. "Multiple Lower Extremity Arthroplasties: Quality of Life" C.J. Lavernia, J.M. Villa. Poster Presentation presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC

59. "Functional Ability and Gait Speed for Total Hip and Knee Replacement Patients" C.M. Naranjo, C.J. Lavernia, J.M. Villa. Poster Presentation presented at the Southern Orthopaedic Association 32nd Annual Meeting, July 15 – 18, 2015, Asheville, NC

60. "Patellar Thickness and Range of Motion in Primary Total Knee Arthroplasty". C.J. Lavernia. Poster Presentation presented at the American Orthopaedic Association 128th Annual Meeting, June 24, 2015, Providence, Rhode Island

61. "Questionnaires and Patient Oriented Outcomes in Primary Total Knee Arthroplasty – Perception or Reality". C.J. Lavernia. Poster Presentation presented at the American Orthopaedic Association 128th Annual Meeting, June 24, 2015, Providence, Rhode Island

62. "Surgeon: Quantity and Quality are not Exclusive". C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Scientific Meeting, June 6, 2015, St. Petersburg, Florida.

63. "Symposium: Hip Fracture and the Arthroplasty Surgeon" C.J. Lavernia. Presented at the Hip Society Winter Meeting/American Academy of Orthopedic Surgeons Specialty Day, March 28, 2015, Las Vegas, Nevada.

64. "Preventing Leg Length Inequality and Instability after THA". C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 26, 2015, Las Vegas, Nevada.

65. "Update on Biomaterials". C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 25, 2015, Las Vegas, Nevada.

66. "Qué podemos aprended de las Prácticas de reemplazo de cadera y rodilla en Estados Unidos?". C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 24, 2015, Las Vegas, Nevada.

67. "Metallurgy of Surgeons: What You Need to Know". C.J. Lavernia, J.M. Villa, C. Emerson. American Academy of Orthopedic Surgeons Annual Meeting, Scientific Exhibit, March 24, 2015, Las Vegas, Nevada.

68. "Smart Tools in Orthopaedic Surgery". H. Haider, O.A. Barrera, I. Al-Shawi, B.S. Koingsberg, C.W. Hartman, W.M. Mihalko, C.J. Lavernia, K.L. Garvin. AAOS Annual Meeting, Scientific Exhibit, March 24, 2015, Las Vegas, Nevada

SELECTED PRESENTATIONS *(Continued)*

69. "Trunnion Options in Primary Total Hip Arthroplasty In 2014" C.J. Lavernia. Presented at The Biomedical Engineering Committee-ASTM Symposium on Modularity and Tapers in Total Joint Replacement Devices, November 10, 2014, New Orleans, LA.

70. "The Role of Design Parameters and Microstructure in the Corrosion and Fretting of Hip Taper Interfaces: A Retrieval Study" C.J. Lavernia. Presented at the Biomedical Engineering Committee-ASTM. Poster Presentation, November 10, 2014, New Orleans, LA

71. "Financial Implications of Rapid Recovery Programs" C.J. Lavernia. Presented at The American Association of Hip and Knee Surgeons, November 7-9, 2014, Dallas, TX.

72. "Questionnaires and Patient Oriented Outcomes in Primary Total Knee Arthroplasty – Perception or Reality" C.J. Lavernia. Presented at The American Association of Hip and Knee Surgeons, Poster Presentation, November 7-9, 2014, Dallas, TX.

73. "Recovery Room X-rays in Total Knee Arthroplasty: Cause to Worry???" Presented at The American Association of Hip and Knee Surgeons, Poster Presentation, November 7-9, 2014, Dallas, TX.

74. "Patient Perceived Outcomes and Physical Performance In TKA" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, October 22-25, 2014, Amelia Island, FL.

75. "Appropriate Use Criteria and Local Carrier Determinations: Are We Hurting Our TJA Patients?" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, October 22-25, 2014, Amelia Island, FL.

76. "Computer Assisted Orthopedic Surgery (CAOS) In the Treatment of Intertrochanteric (IT) Fractures" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, October 22-25, 2014, Amelia Island, FL.

77. "Resource Consumption and Outcomes in Total Knee Arthroplasty" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, October 22-25, 2014, Amelia Island, FL.

78. "Patellar Thickness and Range of Motion in Primary Total Knee Arthroplasty" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, October 22-25, 2014, Amelia Island, FL.

SELECTED PRESENTATIONS *(Continued)*

79. "Sexual Activity in Patients Undergoing Primary Total Hip Arthroplasty" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, October 22-25, 2014, Amelia Island, FL.

80. "Appropriate Use Criteria, Local Carrier Determination and Medicare Audits" C.J. Lavernia. Presented at the Knee Society Members Meeting, October 16-18, 2014, Charlotte, NC.

81. "Sex and Total Hip Arthroplasty Patients" C.J. Lavernia. Presented at The Hip Society Summer Scientific Meeting, September 11-13, 2014, Durham, NC

82. "Arthrofibrosis In Primary Total Knee Arthroplasty: The Role of Mental Health" C.J. Lavernia, J.M. Villa, D.A. Iacobelli. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

83. "Big Heads and Trunnions: Tribocorrosion Turbocharged" C.J. Lavernia, J.M. Villa, D. Iacobelli. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

84. "Vitamin D Deficiency in Total Knee Replacement Surgery" C.J. Lavernia, J.M. Villa, D.A. Iacobelli. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014.

85. "Patient Perceived Outcomes and Physical Performance In TKA" C.J. Lavernia, J.M. Villa, D. Iacobelli, M. Rossi. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

86. "Sex and Quality of Life in Patients Undergoing THA" C.J. Lavernia, J.M. Villa, D.A. Iacobelli. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

87. "Self-Perceived Severity of Illness and Hospital Expenditures in Arthroplasty" C.J. Lavernia, D. Iacobelli, J.M. Villa. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

88. "Navigation in Total Hip Replacement: Is It Worth It? C.J. Lavernia, D. Iacobelli, J.M. Villa. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

89. "Technological Advances: The Learning Curve Effect" C.J. Lavernia, D. Iacobelli, J.M. Villa, M. Rossi. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

SELECTED PRESENTATIONS *(Continued)*

90. "Irrigation and Implant Retention in Acute Knee PJI: Does It Work?" C.J. Lavernia, D. Iacobelli, J.M. Villa. Presented at the Southern Orthopedic Association Annual Meeting, July 16-19, 2014, Beaver Creek, CO.

91. "Big Heads Little Trunnions: Trouble Ahead? Tribocorrosion Turbocharged" C.J. Lavernia. Presented at the Florida Orthopaedic Society Scientific Annual Meeting, May 15-18, 2014, Bonita Springs, FL.

92. "Sexual Activity and Quality of Life in Patients Undergoing Total Hip Arthroplasty" C.J. Lavernia. Presented at the Florida Orthopaedic Society Scientific Annual Meeting, May 15-18, 2014, Bonita Springs, FL.

93. "Irrigation and Implant Retention in Acute Periprosthetic Infection in TKA: Does It Work?" C.J. Lavernia. Presented at the Florida Orthopaedic Society Scientific Annual Meeting, May 15-18, 2014, Bonita Springs, FL.

94. "Navigation in Total Hip Replacement (THR): Is It Worth It?" C.J. Lavernia. Presented at the Florida Orthopaedic Society Scientific Annual Meeting, May 15-18, 2014, Bonita Springs, FL.

95. "Leg Length Inequality and Instability After THA" C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 11-15, 2014, New Orleans, LA.

96. "Debridement and Liner Exchange for Acute Infection: A Reasonable Option. Affirm" C.J. Lavernia. Presented at the 2014 Knee Society-American Association of Hip and Knee Surgeons Open Meeting, March 15, 2014, New Orleans, LA.

97. "My Worst-Case Competition: Total Femur Replacement" C.J. Lavernia. Presented at the 2014 Hip Society-American Association of Hip and Knee Surgeons Open Meeting, March 15, 2014, New Orleans, LA

98. "THA in AVN" C.J. Lavernia. Presented at the 2014 American Academy of Orthopedic Surgeons Meeting, March 11-15, 2014, New Orleans, LA.

99. "OR Efficiency. Eficiencia en Cirugía" C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Instructional Course Lecture, March 11-15, 2014, New Orleans, LA.

100. "AAHKS: Past, Present and Future" C.J. Lavernia. Presented at the American Association of Hip and Knee Surgeons Emergency Leaders Retreat, February 1, 2014, Charlotte, NC.

SELECTED PRESENTATIONS *(Continued)*

101. "Stress and Strain in The Trunnion with Big Heads: Tribocorrosion Turbocharged" C.J. Lavernia. Presented at the American Association of Hip and Knee Surgeons Meeting, November 8-10, 2013, Dallas, TX.

102. "Self-Perceived Severity of Illness and Hospital Expenditures in Arthroplasty" C.J. Lavernia. Presented at the Eastern Orthopedic Association meeting, October 30-November 2, 2013, Miami Beach, FL.

103. "Acute Periprosthetic Infection in TKA: Keep the Implant or Take it Out?" C.J. Lavernia. Presented at The Eastern Orthopedic Association meeting, November 2, 2013, Miami Beach, FL.

104. "Diabetic Control in Total Joint Arthroplasty Outcomes" C.J. Lavernia. Presented at The Eastern Orthopedic Association meeting, November 2, 2013, Miami Beach, FL.

105. "Navigation in Total Hip Replacement (THR): Is It Worth It?" C.J. Lavernia, D. Iacobelli, J. Villa. Presented at The International Society of Technology in Arthroplasty, October 16-19, 2013, Palm Beach, FL.

106. "Appropriate Use Criteria and Local Carrier Determinations New Indications for Surgery: Are We Hurting Our THA Patients?" C.J. Lavernia. Presented at the Hip Society Annual meeting, October 3-5, 2013, Charleston, SC.

107. "Arthrofibrosis In Primary Total Knee Arthroplasty (TKA): The Role of Mental Health" C.J. Lavernia. Presented at the Knee Society Annual meeting, September 19-21, 2013, Toronto, ON Canada.

108. "Correlation of Economic Factors and Outcomes in Total Knee Arthroplasty" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual meeting, July 20, 2013, Palm Beach, FL.

109. "Gender Specific Design In TKR: Does It Matter?" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual meeting, July 19, 2013, Palm Beach, FL.

110. "Preintervention Pain in Total Joint Arthroplasty: Do We Wait Until Its Intolerable?" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual Meeting, July 18, 2013, Palm Beach, FL.

111. "SF-36 Scores after Core Decompression (Cd) Of the Femoral Head for Atraumatic Osteonecrosis Patients Oriented Outcomes in AVN of the Hip: 4 To 7 Years Follow-Up" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, May 31, 2013, Key Largo, FL.

SELECTED PRESENTATIONS *(Continued)*

112. "Indications for Arthroplasty: When to Pull the Trigger" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, May 31, 2013, Key Largo, FL.

113. "Determination of Fair Market Value for Joint Replacement Surgeons" C.J. Lavernia. Presented at the American Osteopathic Academy of Orthopedics Annual Meeting, May 4, 2013, Miami Beach, FL.

114. "Irrigation and Implant Retention in Acute Periprosthetic Infection in Total Knee Arthroplasty: Does it Work?" C.J. Lavernia, Presented at the Specialty Day AAOS 2013- The Knee Society and the AAHKS, Symposium, March 23, 2013, Chicago, IL.

115. "Documenting the Indications for Surgery" C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons Meeting, Symposium, March 22, 2013, Chicago, IL.

116. "Preventing Leg Length Inequality and Instability after THA" C.J. Lavernia. Presented at the American Academy of Orthopedic Surgeons, Instructional Course Lecture, March 20, 2013, Chicago, IL

117. "Preintervention Pain as a Predictor of Total Joint Arthroplasty Outcome" Presented at The American Association of Hip and Knee Surgeons Meeting, Poster Presentation, November 2-4, 2012, Dallas, TX.

118. "Hip Replacement Readmission Rates: Observations in the State of Florida". Presented at The American Association of Hip and Knee Surgeons Meeting, Poster Presentation, November 2-4, 2012, Dallas, TX.

119. "Hip Replacement Readmission Rages: Observations in the State of Florida". C.J. Lavernia. Presented at the International Hip Society Meeting, September 21- October 2, 2012, Zurich, Switzerland.

120. "The Role of Vitamin D Levels in Patients Undergoing THA" C.J. Lavernia. Presented at the Hip Society Meeting, September 13- 15, 2012, Rochester, MN.

121. "Irrigation and Implant Retention in Acute Periprosthetic Infection in TKA: Does it Work?" C.J. Lavernia. Presented at The Knee Society Meeting, September 6 – 9, 2012, Garden City, NY.

122. "Access to Arthroplasty: The Medicaid Program" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual Meeting, July 18-21, 2012, White Sulphur Springs, WV.

SELECTED PRESENTATIONS *(Continued)*

123. "Celecoxib & Heterotopic Bone Formation after Total Hip Arthroplasty" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual Meeting, July 18-21, 2012, White Sulphur Springs, WV.

124. "Comparison of TKA With and Without Computer-Assisted Navigation in the Same Patient: The Results at 5 Years "C.J. Lavernia. Presented at the Southern Orthopedic Association Annual Meeting, July 18-21, 2012, White Sulphur Springs, WV.

125. "Bilateral Total Knee Replacement: Cost and Reimbursement" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual Meeting, July 18-21, 2012, White Sulphur Springs, WV.

126. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" C.J. Lavernia. Presented at the Southern Orthopedic Association Annual Meeting, July 18-21, 2012, White Sulphur Springs, WV.

127. "Access to TJA: The Medicaid Program" C.J. Lavernia. Presented at the American Orthopedic Association Annual Meeting, Poster Presentation, June 27-30, 2012, Washington, D.C.

128. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" C.J Lavernia. Presented at the American Orthopedic Association Annual Meeting, Poster Presentation, June 27-30, 2012, Washington, D.C.

129. "Squatting To 90 Degrees as A Performance Based Marker in Individuals Awaiting Primary Unilateral Total Knee Replacement" C.J. Lavernia. Presented at the Annual Meeting of the APTA, Poster Session, June 6-11, 2012, Tampa, FL.

130. "Conflict of Interest, Are We Going Too Far?" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, June 20-24, 2012, Bolton Landing, NY.

131. "Access to Arthroplasty: The Medicaid Program" C.J. Lavernia. Presented at the Eastern Orthopedic Association Annual Meeting, June 20-24, 2012, Lake George, NY.

132. "Perceived and Performance Based Measures in Individuals Awaiting Total Knee Replacement: Are There Gender Differences?" C.J. Lavernia. Presented at the Annual Meeting of the APTA, Poster Session, June 6-11, 2012, Tampa, FL.

133. "Leg Length Discrepancy in Total Hip Replacement: Patients Perception". C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 31-June 3, 2012. Sarasota, FL.

SELECTED PRESENTATIONS *(Continued)*

134. "Diabetic Control in Total Joint Arthroplasty Outcomes" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 31-June 3, 2012, Sarasota, FL.

135. "Displaced Femoral Neck Fractures: The Hemi is Dead; Long Live the THA", C.J. Lavernia. Presented at the Annual Meeting of the AAOS, Instructional Course Lecture, February 7-11, 2012, San Francisco, CA.

136. "The Difficult Primary Total Hip: Planning and Performance" C.J. Lavernia. Presented at the Annual Meeting of the AAOS, Instructional Course Lecture, February 7-11, 2012, San Francisco, CA.

137. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" C.J. Lavernia. Presented at the Annual Meeting of the AAOS, February 7-11, 2012, San Francisco, CA.

138. "Patient Perceived Outcomes and Physical Performance in Total Knee Arthroplasty" C.J. Lavernia. Presented at the Annual Meeting of the AAOS, Poster Presentation, February 7-11, 2012, San Francisco, CA.

139. "Self-Perceived Severity of Illness and Hospital Expenditures in Arthroplasty" C.J. Lavernia. Presented at the Annual Meeting of the AAOS, Poster Presentation, February 7-11, 2012, San Francisco, CA.

140. "Bilateral Knee Replacement: Cost and Reimbursement" C.J. Lavernia. Presented at the Annual Meeting of the AAOS, Poster Presentation, February 7-11, 2012, San Francisco, CA.

141. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" C.J. Lavernia. Presented at the Annual AAHKS Meeting, November 3, 2011, Dallas, TX.

142. "Radiological Severity of Illness in Knee Osteoarthritis: Treat the Patient or Treat the X-ray?" C.J. Lavernia. Presented at the EOA Annual Meeting, Poster Presentation, October 1-22, 2011, Williamsburg, VA.

143. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" C.J. Lavernia. Presented at the EOA Annual Meeting, Poster Presentation, October 1-22, 2011, Williamsburg, VA.

144. "Celebrex and Heterotopic Bone Formation after Total Hip Arthroplasty" C.J. Lavernia. Presented at the EOA Annual Meeting, October 1-22, 2011, Williamsburg, VA.

SELECTED PRESENTATIONS *(Continued)*

145. "Alcohol Consumption and Patient Perceived Outcomes" C.J. Lavernia. Presented at the Hip Society Meeting, September 23, 2011, New Albany, OH.

146. "Alcohol Consumption and Patient Perceived Outcomes" C.J. Lavernia. Presented at the Knee Society Meeting, September 17, 2011, London, ON, Canada.

147. "Physician Assistants in Knee Replacement Surgery: A Cost and Quality Study" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 20, 2011, Orlando, FL.

148. "CAOS in the Operative Treatment of IT Fractures" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 20, 2011, Orlando, FL.

149. "Oncogenesis in Arthroplasty", C.J. Lavernia. Presented at the 2011 Society for Biomaterials Annual Meeting & Exposition, April 13-16, 2011, Orlando, FL.

150. "Patellar Thickness and Range of Motion in Primary Total Knee", C.J. Lavernia. Presented at the Annual Meeting of the AAOS, Poster Presentation, February 15-19, 2011, San Diego, CA.

151. "The Effect of Diabetic Control in Total Join Arthroplasty Outcomes" C.J. Lavernia. Poster Presentation, February 15-19, 2011, San Diego, CA.

152. "Recent Advances in Primary Knee Arthroplasty", C.J. Lavernia. Presented at the 2011 Orthopedic Symposium: Breaking Topics in Orthopedics, January 22, 2011, Delray Beach, FL.

153. "Access to TKA: The Medicaid Program" C.J. Lavernia. Presented at the 2010 American Association of Hip & Knee Surgeons Meeting, November 6, 2010, Dallas, TX.

154. "Readmissions after Primary Total Hip Replacement: A Quality Measure?" C.J. Lavernia. Presented at the 2010 Hip Society Summer Meeting, September 25, 2010, New York, NY.

155. "Patient Perceived Outcomes and Physical Performance in Total Knee Arthroplasty", C.J. Lavernia. Presented at the 2010 Knee Society Meeting, September 11, 2010, Rochester, MN.

156. "Recent Advances in Primary Arthroplasty", C.J. Lavernia. Presented at the 2010 Florida Society of Rheumatology Meeting, June 25, 2010, Bonita Springs, FL.

157. "Mechanical Navigation: Back to the Future", C.J. Lavernia. Presented at the Southern Orthopedic Association, June 18, 2010, Fajardo, Puerto Rico.

SELECTED PRESENTATIONS *(Continued)*

158. "Ethnic and Racial Patient Factors Influencing Outcomes in Joint Replacement", C.J. Lavernia. Presented at the 2010 AAOS/ORS/ABJS Musculoskeletal Healthcare Disparities Research Symposium, May 6, 2010, Alexandria, VA.

159. "The Difficult Primary Total Hip: Planning and Performance" C.J. Lavernia Presented at the Annual Meeting of the AAOS, Instructional Course Lecture, March 10, 2010, New Orleans, LA.

160. "Fear in Arthroplasty Surgery: The Role of Race" C.J. Lavernia, J.C. Alcerro, MD Rossi. Presented at the 2009 AAHKS Annual Meeting, Poster Presentation, November 6-8, 2009, Dallas, TX

161. "Is Gender a Predictor of Outcomes after Primary Arthroplasty of the Hip?" C.J. Lavernia. Presented at the closed meeting of the Hip Society, September 25, 2009, Palo Alto, CA.

162. "The Peel in TKR Revision: Exposure in the Difficult Knee" C.J. Lavernia. Presented at the Knee Society Members Meeting, October 10, 2009, Boston, MA.

163. "Cerebral Fat Embolism during Primary Joint Arthroplasty and Magnetic Resonance Imaging" C.J. Lavernia. Presented at the Florida Orthopaedic Society, Podium Session, May 15, 2009, St. Petersburg, FL

164. "Navigation in Total Hip Replacement: Is it Worth It?" C.J. Lavernia. Presented at the Florida Orthopaedic Society, May 15, 2009, St. Petersburg, FL.

165. "Patient Oriented Outcomes in Osteonecrosis of the Femoral Head" C.J. Lavernia. Presented at the 122nd Annual Meeting of the AOA, Special Emphasis Poster, June 10 - 13, 2009, Bonita Springs FL.

166. "Medicare and Arthroplasty- A Primer" C.J. Lavernia. Presented at the 18th Annual Meeting of AAHKS, Podium Session, November 7 – 9, 2008, Dallas, TX.

167. "The Fear Factor in Total Joint Replacement" C.J. Lavernia. Presented at the Closed Scientific Meeting of the Hip Society, September 27, 2008, Chicago, IL.

168. "The Economic Patient Perceived Value of an Arthroplasty" C.J. Lavernia. Presented at the International Hip Society Closed Meeting, August 26, 2008, Hong Kong, China.

169. "Oncogenesis in Arthroplasty" C.J. Lavernia. Presented at the 2008 FOS Annual Meeting, Podium Session, May 16, 2008, Key Largo, FL.

170. "Navigation in Total Hip Replacement: Is It Worth It" C.J. Lavernia. Presented at the Closed Scientific Meeting of the Hip Society, September 21 - 22, 2007, Pasadena, CA.

SELECTED PRESENTATIONS *(Continued)*

171. "Multimodal Pain Management and Arthrofibrosis in Primary TKR" C.J. Lavernia. Presented at the 120th Annual Meeting of The American Orthopedic Association, June 13 - 16, 2007, Asheville, NC.

172. "Multimodal Pain Management and Arthrofibrosis in Primary TKR" C.J. Lavernia. Presented at the 2007 FOS Annual Scientific Meeting, May 18, 2007, Orlando, FL.

173. "Conservative Management in OA of the Knee" C.J. Lavernia. Presented at the 2007 FOS Annual Scientific Meeting, May 18, 2007, Orlando, FL.

174. "How to Approach a Revision Knee" C.J. Lavernia. Presented at the 2007 FOS Annual Scientific Meeting, May 18, 2007, Orlando, FL.

175. "How Long Should a Total Joint Last?" C.J. Lavernia. Presented at the 2007 FOS Annual Scientific Meeting, May 18, 2007, Orlando, FL.

176. "CAOS in Orthopedic Reconstruction" C.J. Lavernia. Presented at the 74th Annual Meeting of the AAOS, Instructional Course Lecture, February 16, 2007, San Diego, CA.

177. "The Economic Patient Perceived Value of an Arthroplasty" C.J. Lavernia, M.R. D'Apuzzo, J. Parvizi, P Sharkey, V.H. Hernandez, D. Lee. Poster Presentation at the Orthopaedic Research Society 53rd Annual Meeting, February 2007, San Diego, CA.

178. "Surgical Navigation in the Operative Treatment of Intertrochanteric Fractures A Validation and Time Efficiency Study." C.J. Lavernia, V.H. Hernandez, M.R. D'Apuzzo, J., D. Lee. Poster Presentation at the Orthopaedic Research Society 53rd Annual Meeting, February 2007, San Diego, CA.

179. "Patient Expectations at Initial Presentation for Arthroplasty: The Role of Gender and Ethnicity." C. J. Lavernia, M.R. D'Apuzzo, J. Parvizi, P Sharkey, V.H. Hernandez, D. Lee. Poster Presentation at the Orthopaedic Research Society 53rd Annual Meeting, February 2007, San Diego, CA.

180. "Medicare Update" C.J. Lavernia. Presented at the 37th Annual Meeting of the Eastern Orthopedic Association, October 18 - 21, 2006, Boca Raton, FL.

181. "Patient Perceived Leg Length Discrepancy after Primary Arthroplasty of the Hip" C.J. Lavernia, M.R. D'Apuzzo, V.H. Hernandez, M. Rossi. Presented at the 2006 Florida and Alabama Orthopedic Society Annual Meeting, May 18 - 21, 2006, Sandestin, FL.

182. "The 'Femoral Peel' Technique for Exposure of Difficult Knee Arthroplasty" C.J. Lavernia. Presented at the 2006 Florida and Alabama Orthopedic Society Annual Meeting, May 18 - 21, 2006, Sandestin, FL.

SELECTED PRESENTATIONS *(Continued)*

183. "Patient Knowledge and Expectations at Initial Presentation for Arthroplasty: The Role of Gender and Ethnicity" M.R. D'Apuzzo, J Parvizi, C.J. Lavernia, P Sharkey, D. Lee. Presented at the 2006 Florida and Alabama Orthopedic Society Annual Meeting, May 18 - 21, 2006, Sandestin, FL.

184. "The Fear Factor in Total Joint Replacement" C.J. Lavernia. Presented at the 2006 Florida and Alabama Orthopedic Society Annual Meeting, Poster Session, May 18 - 21, 2006, Sandestin, FL.

185. "Hip" C.J. Lavernia. Presented at the 2006 Florida and Alabama Orthopedic Society Annual Meeting, Poster Session, May 18 - 21, 2006, Sandestin, FL.

186. "EVA of Total Joint Replacement" C.J. Lavernia. Presented at the 73rd Annual Meeting for the American Academy of Orthopedic Surgeons, March 24, 2006, Podium Session, Chicago, IL (Zimmer Booth Presentation).

187. "Achieving Stability and Leg Length Equality in Total Hip Arthroplasty" C.J. Lavernia. Presented at the 73rd Annual Meeting for the American Academy of Orthopedic Surgeons, Instructional Course Lecture, March 24, 2006, Chicago, IL.

188. "Revision Total Knee Planning, Management and Controversies - Exposure Planning" C.J. Lavernia. Presented at the 73rd Annual Meeting for the American Academy of Orthopedic Surgeons, Instructional Course Lecture, March 23, 2006, Chicago, IL.

189. "Navegación en Artroplastia de Cadera" C.J. Lavernia. Presented at the AAOS/AAOT Meeting, December 7, 2005, Buenos Aires, Argentina.

190. "Osteonecrosis of the Hip" C.J. Lavernia. Presented at the AAOS/AAOT Meeting, December 7, 2005, Buenos Aires, Argentina.

191. "Tratamiento de Fracturas Mediales" C.J. Lavernia. Presented at the AAOS/AAOT Meeting, December 8, 2005, Buenos Aires, Argentina.

192. "Porous Prosthesis" C.J. Lavernia. Presented at the AAOS/AAOT Meeting, December 8, 2005, Buenos Aires, Argentina.

193. "Modular Prosthesis" C.J. Lavernia. Presented at the AAOS/AAOT Meeting, December 8, 2005, Buenos Aires, Argentina.

194. "Post-Discharge Cost in Arthroplasty Surgery." C.J. Lavernia, M.R. D'Apuzzo, V.H. Hernandez, D. Lee. Presented at: American Association of Hip and Knee Surgeons 15th Annual Meeting, November 2005, Dallas, TX.

SELECTED PRESENTATIONS *(Continued)*

195. "Resident Education and Physician Extenders in Arthroplasty Surgery: A Cost Effectiveness Study." C.J. Lavernia, M.R. D'Apuzzo, V.H. Hernandez, E. Roig. Presented at the Eastern Orthopaedic Association 36th Annual Meeting. October 2005, Chesapeake, MD.

196. "Primary Total Hip Arthroplasty: Should We Wait as Long as Possible?" C.J. Lavernia, M. D'Apuzzo, M. Rossi, V.H. Hernandez, D. Lee. Presented at the Hip Society Summer Meeting, September 23, 2005, Pittsburgh, PA.

197. "Patient Perceived Leg Length Discrepancy after Primary Arthroplasty of the Hip" C.J. Lavernia, L. Velez, V. Hernandez, M. D'Apuzzo, D. Lee. Presented at the Hip Society Summer Meeting, September 24, 2005, Pittsburgh, PA.

198. "The Impact of Thigh Pain in Quality of Life" C. J. Lavernia. Presented at the 2005 Florida Orthopaedic Society (Scientific Annual Meeting), May 20 - 21, 2005, Sarasota, FL.

199. "Medicare Reimbursement: 5 Year RVU Revision and RUC Process" C. J. Lavernia. Presented at the 2005 Florida Orthopaedic Society (Scientific Annual Meeting), May 20 - 21, 2005, Sarasota, FL.

200. "Resident Education and Physician Extenders in Arthroplasty Surgery: A Cost Effectiveness Study." M.R. D'Apuzzo, C.J. Lavernia, V.H. Hernandez, E. Roig. Presented at the Florida Orthopaedic Society 2005 Annual Meeting. April 2005, Sarasota, FL.

201. "A Simple Comorbidity Adjustment in TKR." C.J. Lavernia, E. Curia, M.R. D'Apuzzo, B. Hatten, D. Lee. Poster Presentation at the Orthopaedic Research Society 51st Annual Meeting. February 2005, Washington, D.C

202. "Gender Differences in Arthroplasty Surgery: A Two Year Follow Up." C.J. Lavernia, M.R. D'Apuzzo, D. Lee. Poster Presentation at the Orthopaedic Research Society 51st Annual Meeting. February 2005, Washington, D.C

203. "Quad-Sparing TKR: A Clinical and Economical Analysis." C.J. Lavernia, A. Tria, M.R. D'Apuzzo, D. Lee. Poster Presentation at the Orthopaedic Research Society 51st Annual Meeting. February 2005, Washington, D.C.

204. "Thigh Pain in Primary Total Hip Replacement: The Effects of Elastic Moduli" C.J. Lavernia. Presented at The Hip Society Summer Meeting, October 7 - 9, 2004, Santa Fe, NM.

SELECTED PRESENTATIONS *(Continued)*

205. "Resident Education and Physician Extenders in Arthroplasty Surgery: A Cost Effectiveness Study." C.J. Lavernia, M.R. D'Apuzzo, V.H. Hernandez, E. Roig. Presented at the Orthopaedic Research Society 51st Annual Meeting. February 2005, Washington, DC.

206. "Thigh Pain in Primary Hip Replacement: The Effects of Elastic Moduli" C.J. Lavernia. Presented at The Hip Society, October 7 - 9, 2004, Santa Fe, NM.

207. "Cost Savings in MIS THA: Real or Apparent?" C.J. Lavernia. Presented at AAOS Meeting Minimally Invasive Hip Replacement, Poster Session, September 10 - 11, 2004, and Rosemont, IL.

208. "Panel Discussion" L. Dorr, M. Hartzband, C.J. Lavernia, T. Swanson. Presented at AAOS meeting Minimally Invasive Hip Replacement, Poster Session, September 10 - 11, 2004, Rosemont, IL.

209. "Joint Replacement Resident Education and Physician Extenders: A Cost Effectiveness Study" C.J. Lavernia, M. D'Apuzzo, V. Hernandez, E. Roig, R. Diaz. Presented at the 117th Annual Meeting of the American Orthopedic Association, Poster Session. June 23 - 26, 2004, Boston, MA.

210. "Mental Health and Outcome in Primary Joint Replacement of the Hip and Knee" C.J. Lavernia, M. D'Apuzzo, V. Hernandez, R. Diaz, R. Sierra. Presented at the 117th Annual Meeting of the American Orthopedic Association, Poster Session. June 23 - 26, 2004, Boston, MA

211. "Gender Differences in Arthroplasty Surgery" C.J. Lavernia. Presented at the FOS 2004 Annual Scientific Meeting, May 20 - 24, 2004, Key Largo, FL.

212. "Thigh Pain in Primary THA: The Effects of Elastic Moduli" M.R. D'Apuzzo, C.J. Lavernia, V.H. Hernandez, D. Lee. Presented at the FOS 2004 Annual Scientific Meeting, May 20 - 24, 2004, Key Largo, FL.

213. "Achieving Stability and Leg Length Equality in Total Hip Arthroplasty" C.J. Lavernia. Presented as an Instructional Course Lecture at the 71st Annual Meeting of the American Academy of Orthopedic Surgeons, March 2004, San Francisco, CA.

214. "DRG Stems: Pain Now, Pay Later" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 23 - 25, 2003, Ponte Vedra, FL.

215. "Access to the Revision Femur" C.J. Lavernia. Presented at the Southern Orthopedic Society's Hot Topics in Cold Weather, March 6 - 7, 2003, Steamboat Springs, CO.

216. "Activity Levels and Wear in TKA" C.J. Lavernia. Presented at the Southern Orthopedic Society's Hot Topics in Cold Weather, March 6 - 7, 2003, Steamboat Springs, CO.

SELECTED PRESENTATIONS *(Continued)*

217. "The Role of Component Design in Prosthetic Impingement" C.J. Lavernia. Presented at the Southern Orthopedic Society's Hot Topics in Cold Weather, March 6 - 7, 2003, Steamboat Springs, CO.

218. "Gender and Outcome in Hip and Knee Arthroplasty." C.J. Lavernia, A. Corces, R. Pritchard, D. Lee, O. Gomez, V.H. Hernandez, R. Diaz, M.R. D'Apuzzo. Poster Presentation at the Orthopaedic Research Society 49th Annual Meeting. February 2003, New Orleans, LA.

219. "Quality of Life and Cost Effectiveness after TKA" C.J. Lavernia. Presented at the Breakout Session of the Florida Orthopaedic Society Annual Meeting, May 23 - 27, 2002, Orlando, FL.

220. "Access to the Revision Femur" C.J. Lavernia. Presented at the Southern Orthopedic Association Meeting, at the Sheraton Steamboat Resort, March 1 - 2, 2002, Steamboat Springs, CO.

221. "Activity Levels in TKA" C.J. Lavernia. Presented at the Southern Orthopedic Association Meeting at the Sheraton Steamboat Resort, March 1 - 7, 2002, Steamboat Springs, CO.

222. "Mobile Bearing Vs. Fixed Bearing TKA: Postoperative Pain, function and ROM" C.J. Lavernia, R.A. Hernandez and R.J. Sierra. Presented at the Combined Specialty Day Meeting of the Knee Society and AAHKS, February 16, 2002, Dallas, TX.

223. "Achieving Stability & Leg Length Equality in Total Hip Arthroplasty" C.J. Lavernia, R.H. Rothman, and C. Runaway. Presented as an Instructional Course Lecture at the 69th Annual AAOS Meeting, February 13 - 17, 2002, Dallas, TX.

224. "Preventing Leg Length Inequality in Revision THA" C.J. Lavernia. Presented at the 2001 AAOS Revision Hip Meeting, November 30 - December 2, 2001, Rosemont, IL

225. "Design/Material Issues/Femur" C.J. Lavernia. Presented at the 2001 AAOS Revision Hip Meeting, November 30 - December 2, 2001, Rosemont, IL.

226. "Leg Length Discrepancy in THR: Patient Perception" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 18, 2001, Orlando, FL.

227. "Rapidly Progressive AVN of the Femoral Head" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 18, 2001, Orlando, FL.

228. "Mobile Bearing vs. Fixed Bearing Total Knee Arthroplasty: Postoperative Pain, function and ROM" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 18, 2001, Orlando, FL.

SELECTED PRESENTATIONS *(Continued)*

229. "Comparison of Quality of Life and Cost Effectiveness after Primary Total Knee and Hip Arthroplasty Surgery: 1 and 3 Year Follow-up" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 18, 2001, Orlando, FL.

230. "Preoperative Pain Assessment in Revision Hip Arthroplasty" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 18, 2001, Orlando, FL.

231. "Resignation from Medicare: Pros and Cons" C.J. Lavernia and R.H. Rothman. Presented as a faculty debate (#3) at the 10th Annual Meeting of the American Association of Hip and Knee Surgeons, November 3 - 5, 2000, Dallas, TX.

232. "Total Hip Arthroplasty for Osteonecrosis" C.J. Lavernia. Presented at the Joint AAOS/JRSROC Orthopedic Hip Program, April 22 - 23, 2000, Taipei, Taiwan.

233. "Surgical Technique in Complex Primary total Hip Arthroplasty" C.J. Lavernia. Presented at the Joint AAOS/JRSROC Orthopedic Hip Program, April 22 - 23, 2000, Taipei, Taiwan.

234. "Use of Cages or Graft in Massive Bone Loss" C.J. Lavernia. Presented at the Joint AAOS/JRSROC Orthopedic Hip Program, April 22 - 23, 2000, Taipei, Taiwan.

235. "Preoperative Planning" C.J. Lavernia. Presented at the Joint AAOS/JRSROC Orthopedic Hip Program, April 22 - 23, 2000, Taipei, Taiwan.

236. "Achieving Stability and Leg Length Equality in THA" C.J. Lavernia. Presented as an Instructional Course at the 67th Annual AAOS Meeting, March 15 - 19, 2000, Orlando, FL.

237. "Radiographic Wear in Total Knee Replacement" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 29, 1999, Destin, FL.

238. "Nanocrystalline Coating in Cobalt Chrome Substrates for Total Knee Replacement Femoral Components" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 29, 1999, Destin, FL.

239. "Jumbo Sockets in Revision Total Hip Replacement" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 29, 1999, Destin, FL.

240. "The Effect of Surgical Delay on Outcome in Arthroplasty Surgery" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 29, 1999, Destin, FL.

241. "Medical Comorbidities as Predictors of Short and Long Term Outcome in Total Hip Replacement" C.J. Lavernia. Presented at the Florida Orthopaedic Society Meeting, May 29, 1999, Destin, FL.

SELECTED PRESENTATIONS *(Continued)*

242. "Smoking in Joint Replacement Surgery: Resource Consumption and Short Term Outcome" C.J. Lavernia, R.J. Sierra, and R.A. Hernandez. Presented at the Combined Specialty Day Meeting of the Knee Society and the 66th Annual AAOS Meeting, February 4 - 8, 1999, Anaheim, CA.

243. "Tibial Component Fixation in Total Knee Arthroplasty (TKA): A Histological Analysis in Autopsy Retrieved Implants" C.J. Lavernia, S.D. Cook, K. Krackow, and D.S. Hungerford. Presented at the 65th American Academy of Orthopedic Surgeons Annual Meeting, Poster Exhibit Session, 1998, New Orleans, LA.

244. "The Effects of Neck Geometry and Acetabular Design on the Motion to Impingement in THR" R.L. Thornberry, C.J. Lavernia, R. Barrack, and E. Tozakoglou. Presented at the 65th American Academy of Orthopedic Surgeons Annual Meeting, Scientific Exhibit Session, 1998, New Orleans, LA.

245. "Cost Effectiveness and Quality of Life in Hip and Knee Arthroplasty" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, June 6 - 8, 1997, Orlando, and FL.

246. "Cost Effectiveness & Quality of Life in Knee Arthroplasty Surgery" C.J. Lavernia, J.F. Guzman, A. Gachupin-Garcia, and L. Hernandez. Presented at the AAHKS Combined Specialty Day Meeting of the Knee Society, February 16, 1997, San Francisco, CA.

247. "Arthroplasty Implant Standardization in a Multi-National Hospital Corporation: A Surgeon Driven Initiative" C. Savory, C.J. Lavernia, T.A. Collier, and M.L. Louviere. Presented at the AAHKS Combined Specialty Day Meeting of the Knee Society, February 16, 1997, San Francisco, CA.

248. "Quality and Manufacturing in Orthopedic Implants" C.J. Lavernia. Presented at the Jefferson Orthopedic Society Meeting, November 20 - 23, 1996, Philadelphia, PA.

249. "Cost of Parts vs. Labor in THA" C.J. Lavernia. Presented at the Jefferson Orthopedic Society Meeting, November 20 - 23, 1996, Philadelphia, PA.

250. "The Science of Osteolysis" C.J. Lavernia. Presented at the Jefferson Orthopedic Society Meeting, November 20 - 23, 1996, Philadelphia, PA.

251. "New Surgical Draping Technique for Hip Arthroplasty Surgery" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, May 24 - 26, 1996, Palm Beach, FL.

252. "Osteolysis and Wear in Hip Arthroplasty: Roentgenographic Assessment: A Multi Observer Study" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, May 24 - 26, 1996, Palm Beach, FL.

SELECTED PRESENTATIONS *(Continued)*

253. "Cost Effectiveness of Early Surgical Intervention in Silent Osteolysis" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, May 24 26, 1996, Palm Beach, FL.

254. "Large Cups for Reconstruction of Acetabular Deficiency" C.J. Lavernia. Invited speaker at the Symposium on the Acetabulum in Failed Total Hip Arthroplasty at the Florida Orthopaedic Society Annual Meeting, May 24 - 26, 1996, Palm Beach, FL.

255. "Cost Effectiveness sand Quality of Life in Arthroplasty Surgery" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, May 24 - 26, 1996, Palm Beach, and FL.

256. "Cost Effectiveness and Quality of Life in Arthroplasty Surgery" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, November 3 - 5, 1995, Amelia Island, and FL.

257. "Biological vs. Cemented Fixation in Knee Replacement: Wear Rate and Interface Stiffness" C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, November 1995, Amelia Island, and FL.

258. "The Effects of Implantation on the Surface Hardness of Clinically Successful Autopsy Retrieved Tibial Inserts" C.J. Lavernia, J.F. Guzman, C. Yoo, K. Krackow, and D. Hungerford. Presented at the Society for Biomaterials, 1995, San Francisco, CA.

259. "Radiographic Fingerprints for Total Knee Devices" P.T. Regala and C.J. Lavernia. Presented at the Florida Orthopaedic Society Annual Meeting, October 1994, Naples, and FL.

260. "Cost-Effectiveness of Early Surgical Intervention in Silent Osteolysis" C.J. Lavernia and M.A. Jimenez. Presented at the Florida Orthopaedic Society Annual Meeting, October 1994, Naples, and FL.

261. "Revision Surgery: The Cost of the Parts" C.J. Lavernia, W.L. Healy, R.L. Barrack, and W.L. Hozack. Presented at the AAHKS Fall Meeting, September 1994, Washington, D.C.

262. "DRG Hip Hemiarthroplasty Implants: A Critical Comparison" C.J. Lavernia. Presented at the Mid-America Orthopedic Association - Twelfth Annual Meeting, April - May 1994, Bermuda.

263. "State of the Art Total Knee Replacement" C.J. Lavernia. Presented at the Combined American Academy of Orthopedic Surgery Annual Meeting and the National Association of Orthopedic Nurses, (Invited Talk), 1994, New Orleans, LA.

264. "Silent Osteolysis: Polyethylene Debris in Cementless Total Hip Replacement" C.J. Lavernia, A. Tsao and D. Hungerford. Presented at the Florida Orthopaedic Society Annual Scientific Program, 1993, Manalapan, FL.

SELECTED PRESENTATIONS *(Continued)*

265. "The Short-Term Economic Implications of Prosthetic Selection in Hemiarthroplasty of the Hip" C.J. Lavernia and R. Lyon. Presented at the American Academy of Orthopedic Surgery, Poster Session, 1991, New Orleans, LA.

266. "Glove Penetration in Orthopedic Surgery" C.J. Lavernia and H. Backe. Presented at the American Academy of Orthopedic Surgery, Poster Session, 1991, New Orleans, LA.

267. "Dorsal Sensory Branch of the Ulnar Nerve: It's Significance in Arthroscopy of the Wrist" M. Cohen, C.J. Lavernia, M. Botte, H. Von Schroeder, H. Gellman, and E. Zinberg. Presented at American Academy of Orthopedic Surgery, Poster Session, 1990.

268. "The Incidence of Glove Penetration in Routine Orthopedic Surgery Cases' C.J. Lavernia, H. Backe, and M. Godin. Presented at Western Orthopedic Association, 1989, Anaheim, CA.

269. "Ceramics in Orthopedic Surgery" C.J. Lavernia. Invited paper. Presented at the American Society for Ceramic Engineering, 1989, Anaheim, CA.

270. "Calcium Phosphate Ceramics: A Synthetic Bone Substitutes" C.J. Lavernia, R. Holmes, R. Coutts, W. Akeson and F.R. Convery. Presented at the American Academy of Orthopedic Surgery 55th Annual Meeting, Poster Session, February 1988, Atlanta, GA.

271. "Pathophysiology of Nerve Injury and Repair" C.J. Lavernia, M. Botte, and B. Rydevic. Presented at the American Academy of Orthopedic Surgeons 55th Annual Mtg., Poster Session, February 1988, and Atlanta, GA.

272. "A Dorsal Sensory Branch of the Ulnar Nerve: An Anatomic Study" C.J. Lavernia, M. Cohen, E. Billings, E. Zinberg and M. Botte. Presented at the Am. Soc. Surg of the Hand, 1988, Baltimore, MD.

273. "The Effects of Intramedullary Reaming in Total Hip Replacement on the Calcar Femoral" C.J. Lavernia, F.R. Convery, D. Resnik, D. Sartoris, and R. Styles. Presented at Western Orthop. Assoc. Mtg., January 1987, Coronado, CA.

274. "Vertebral Trabecular Bone Density by Three Dimensional and Single Sliced Computer Tomography: Biomechanical Correlation" C.J. Lavernia, R. Lambiase, S. Bhasin, D. Sartoris, F.R. Convery, S.L.-Y Woo, and D. Resnick. Presented at the Western Orthopedic Association Meeting, January 1987, Coronado, CA.

INVITED GUEST LECTURES

1. "Techno Economics of Robotics" Department of Orthopaedics Mayo Clinic, Rochester, MN, June 23, 2025.

2. "From Surgeon Point of View, Advances of Robot-Assisted Orthopedic Surgery" Department of Biomedical Engineering at the University of Miami, April 8, 2025.

3. "Physiology of Cartilage" Department of Biomedical Engineering at the University of Miami, March 4, 2025.

4. "Physiology of Bone" Department of Biomedical Engineering at Florida International University, March 19-April 18, 2024.

5. "Implant Failure Mechanisms" Orthopedic Biomechanics Lecture, Florida International University, March 16, 2023.

6. "Metal Alloys in Surgery" Department of Biomedical Mechanical Engineering at the University of Miami, March 3, 2023

7. "Webinar: Cadera Dolorosa Despues de Una Primaria-Casos Clínicos" Sociedad de Mexicana de Cirugía de Cadera presented via zoom October 10, 2022.

8. "Arthritis of the Hip and Knee: Contemporary Solutions" Allegro Living Lecture presented via Zoom, April 9, 2021.

9. International Webinar in partnership with Caracas and Operation Walk, presented via Zoom, November 12, 2020.

10. International Webinar in partnership with La Asociacion Guatemalteco de Ortopedia y Traumatologia (AGOT) and Operation Walk presented via Zoom, October 29, 2020.

11. AAHKS Webinar in The American Association of Hip and Knee Surgeons (AAHKS), La Asociacion Salvadorena de Ortopedia y Traumatologia (ASOT), and Operation Walk presented via Zoom, October 21, 2020.

12. "Robotics in Ortho" Presented at the Department of Biomedical Engineering at the University of Miami, February 28, 2020, Miami, Fl.

13. "Seleccion del vastago en defectos femorales" Presented at the Sociedad Mexicana de Cirugia De Cadera, February 14,2020, Merida, Mexico.

14. "ATC luxacion recidivante y recurrente, fallas se las ATC constrenidas, que hacer?" Presented at the Sociedad Mexicana de Cirugia De Cadera, February 14,2020, Merida, Mexico.

INVITED GUEST LECTURES *(Continued)*

15. "Trunnionosis in Hip Arthroplasty: Fact and Fiction" Presented at the James F. Wenz, MD Memorial Lecture Department of Orthopaedics at John Hopkins Medical School, April 4, 2019, Baltimore, MD.

16. "Technoeconomics" Presented at the HCH and MGH 4th Annual Hip, Knee, and Shoulder Orthopedic Symposium Dinner. January 24, 201p. Ft. Lauderdale, Fl.

17. "Trunnionosis: In what are we now? Presented at V Curso Internacional Artroplastia de Cadera y Rodilla, March 23-24, 2018, Lima, Perú.

18. "What can we learn from the Hip and Knee Replacement Practices in the USA." Presented at V Curso Internacional Artroplastia de Cadera y Rodilla, March 23-24, 2018, Lima, Perú.

19. "Leg Length Discrepancy: Long pants or short pants?" Presented at V Curso Internacional Artroplastia de Cadera y Rodilla, March 23-24, 2018, Lima, Perú.

20. "Exchange in Infección: Two Stage" Presented at V Curso Internacional Artroplastia de Cadera y Rodilla, March 23-24, 2018, Lima, Perú.

21. "To Cement or not Cement: Affirms" Presented at V Curso Internacional Artoplastia de Cadera y Rodilla, March 23-24, 2018, Lima, Peru.

22. "Current state of biomaterials" Presented at V Curso Internacional Artoplastia de Cadera y Rodilla, March 23-24, 2018, Lima, Peru.

23. "Trunnionosis" Presented at the University of Miami Department of Biomedical Engineering, October 20, 2017, Miami, Florida.

24. Trunnionosis" Presented at the Florida International University College of Engineering and Computing, October 13, 2017, Miami, Florida.

25. "Simposio AAHKS: ¿Quién paga? Cuánto cuesta" C.J. Lavernia. Presented at the XII Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 3-6, 2016, Cartagena, Colombia.

26. "Trucos para revisar con tallos porosos" C.J. Lavernia. Presented at the XII Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 3-6, 2016, Cartagena, Colombia.

27. "Cómo y por qué es importante optimizar el acto quirúrgico?" C.J. Lavernia. Presented at the XII Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 3-6, 2016, Cartagena, Colombia.

INVITED GUEST LECTURES *(Continued)*

28. "Arthroplasty of the knee: appropriate use criteria or when do we pull the trigger?" C.J. Lavernia. Presented at the 16th Brazilian Congress of Knee Surgery, April 14-16, 2016, Cost do Sauipe, Brazil

29. "What is the role of mental health in primary total knee arthroplasty?" C.J. Lavernia. Presented at the 16th Brazilian Congress of Knee Surgery, April 14-16, 2016, Cost do Sauipe, Brazil

30. Preintervention Pain in Total Joint Arthroplasty: Do we wait until it's intolerable?" C.J. Lavernia. Presented at the 16th Brazilian Congress of Knee Surgery, April 14-16, 2016, Cost do Sauipe, Brazil

31. "Bilateral knee replacement: Costs and reimbursement" C.J. Lavernia. Presented at the 16th Brazilian Congress of Knee Surgery, April 14-16, 2016, Cost do Sauipe, Brazil.

32. "El uso de la navegación y el modelo económico" C.J. Lavernia. Presented at the 16to Reunión Internacional de la Sociedad Mexicana de Cirugía de Cadera, February 10-13, 2016, León, Guanajuato, México.

33. "Estabilidad e igualdad en el largo de las piernas" C.J. Lavernia. Presented at the 16to Reunión Internacional de la Sociedad Mexicana de Cirugía de Cadera, February 10-13, 2016, León, Guanajuato, México.

34. "Perioperative Management (Didactics): Blood Management" C.J. Lavernia. Presented at the AAHKS Team Member Course, November 6, 2015

35. "Case Based Learning Breakout Sessions: Principles of Primary TKA" Room Leader, C.J. Lavernia. Presented at the AAHKS 7th Annual Resident Course, November 6, 2015, Dallas, TX

36. "Sexo en el paciente con artroplastia total de cadera" C.J. Lavernia. Presented at the XI Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 5-8, 2015, Cartagena, Colombia.

37. "Simposio Industria: Variabilidad en el proceso quirúrgico implantes" C.J. Lavernia. Presented at the XI Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 5-8, 2015, Cartagena, Colombia.

38. "Conferencia magistral Errores Comunes en la Artroplastia de Rodilla" C.J. Lavernia. Presented at the XI Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 5-8, 2015, Cartagena, Colombia.

39. "Curso de Instrucción: El reemplazo de cadera difícil – Con Protrusio Acetabular" C.J. Lavernia. Presented at the XI Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 5-8, 2015, Cartagena, Colombia.

INVITED GUEST LECTURES *(Continued)*

40. "Selección de Implantes en Artroplastia Total de Cadera" C.J. Lavernia. Presented at the 15to Reunión Internacional de la Sociedad Mexicana de Cirugía de Cadera, February 18 - 20, 2015, Puerto Vallarta, México.

41. "Sexo en el Paciente de Artroplastia Total de Cadera" C.J. Lavernia. Presented at the 15to Reunión Internacional de la Sociedad Mexicana de Cirugía de Cadera, February 18 - 20, 2015, Puerto Vallarta, México.

42. "Arthroplasty of The Hip and Knee: Appropriate Use Criteria or When Do We Pull the Trigger" C.J. Lavernia. Presented at The Philadelphia Orthopedic Society Third Annual Richard H. Rothman Lecture, November 10, 2014, Philadelphia, PA.

43. "Stress en el cono con Cabezas Grandes Tribocorrosion Turbo Cargada" C.J. Lavernia. Presented at the X Encuentro Latinoamericano de Cirujanos de Cadera y Rodilla, August 6-9, 2014, Cartagena, Colombia.

44. "Robotic Hip and Knee Replacement" C.J. Lavernia. Presented at the Biltmore Hotel, June 4, 2014, Coral Gables, FL.

45. "Situación Actual del Metal-Metal, en Artroplastias Totales y de Superficie en USA" C.J. Lavernia. Presented at the Sociedad Española de Cirugía de Cadera XV Congreso, June 20-21, 2013, Madrid, Spain.

46. "Artroplastia de Cadera y la Recesión Global: ¿A Dónde Vamos?" C.J. Lavernia. Presented at the Sociedad Española de Cirugía de Cadera XV Congreso, June 20-21, 2013, Madrid, Spain.

47. "Leg Length Inequality and Instability in THA ", C.J. Lavernia. Presented at the University of South Carolina Kimbrough-More Day Event, May 17, 2013, Columbia, SC.

48. "Hip Instability with Different Approaches" C.J. Lavernia. Presented at the Sixth Annual Joint Course: New Technology for the Treatment of Adult Hip and Knee Disorders, August 24-25, 2012, Baltimore, MD.

49. "Advances in Surgery of the Knee" C.J. Lavernia. Presented at the XXI International Cuban Medical Association Meeting, July 1, 2011, Miami, FL.

50. "Hip Surgery in the 21st Century" C.J. Lavernia. Presented at the XXI International Cuban Medical Association Meeting, July 1, 2011, Miami, Fl.

INVITED GUEST LECTURES *(Continued)*

51. "Common Errors in Primary Total Knee Replacement", C.J. Lavernia. Presented at the Annual Sociedad Puertorriqueña De Ortopedia Y Traumatología, October 9, 2010, Fajardo, Puerto Rico.

52. "Design/Material Issues in Revision Implants: The Femoral Side. Presented at the Annual Sociedad Puertorriqueña De Ortopedia Y Traumatología, October 9, 2010, Fajardo, Puerto Rico.

53. "Actualización de Cirugía de Reemplazos", C.J. Lavernia. Presented at the Hospital Centro Medico, August 20, 2010, Guatemala City, Guatemala.

54. "El uso de la navegación y el modelo económico." C.J. Lavernia. Presented at the 10th Reunión Internacional de la Sociedad Mexicana de Cirugía de Cadera, February 10, 2010, Guadalajara, México.

55. "Posicionamiento de componentes en cirugía primaria." C.J. Lavernia. Presented at the 10th Reunión Internacional de la Sociedad Mexicana de Cirugía de Cadera, February 11, 2010, Guadalajara, México.

56. "Healthcare Reform: The Good, the Bad and the Ugly" C.J. Lavernia. Presented at the 14th Annual Pasternak Lectureship, November 19, 2009, Hartford Connecticut.

57. "Is Gender a Predictor of Outcomes after Primary Arthroplasty of the Hip" C.J. Lavernia. Presented at the International Hip Society Closed meeting, September 10, 2009, Minneapolis, Minnesota.

58. "Patient Perceived Leg after Primary Total Hip Arthroplasty" C.J. Lavernia. Presented at the International Hip Society Closed meeting, September 10, 2009, Minneapolis, Minnesota.

59. "Manejo Conservador de la Osteoartritis de Rodilla" C.J. Lavernia. Presented at the Hospital Centro Medico, August 21, 2008, Guatemala City, Guatemala.

60. "Errores Comunes en al Artroplastia de Rodilla" C.J. Lavernia. Presented at the Hospital Centro Medico, August 21, 2008, Guatemala City, Guatemala.

61. "Fractures de Caderas: C.J. Lavernia. Presented at the Hospital Centro Medico, August 21, 2008, Guatemala City, Guatemala.

INVITED GUEST LECTURES *(Continued)*

62. "Cuanto Duran las Artroplastias de Rodilla?" C.J. Lavernia. Presented at the XXIX Annual Meeting of the Sociedad Dominicana De Ortopedia Y Traumatología, December 6, 2008, Puerto Plata, Dominican Republic.

63. "Selección de Implantes en la Artroplastia Total de Cadera" C.J. Lavernia. Presented at the XXIX Annual Meeting of the Sociedad Dominicana De Ortopedia y Traumatología, December 6, 2008, Puerto Plata, Dominican Republic.

64. "Cirugía Mínimamente Invasiva de la Rodilla. Conceptos Modernos" C.J. Lavernia. Presented at the XXIX Annual Meeting of the Sociedad Dominicana De Ortopedia Y Traumatología, December 6, 2008, Puerto Plata, Dominican Republic.

65. "Outcomes of THA and TKA in Latinos and African American's, The Importance of Early Intervention" C.J. Lavernia. Presented at the 2008 National Medical Association Annual Convention & Scientific Assembly, July 30, 2008, Atlanta, GA.

66. "Estabilidad e Igualdad en el Largo de las Piernas, en la Artroplastia Total de Cadera: Fundamentos Acetabulares" C.J. Lavernia. Presented at the XXVIII Annual Meeting of the Sociedad Dominicana De Ortopedia y Traumatología, November 30, 2007, Punta Cana, Dominican Republic.

67. "Manejo No Quirurgico en la Artritis de Rodilla y Cadera" C.J. Lavernia. Presented at the XXVIII Annual Meeting of the Sociedad Dominicana De Ortopedia y Traumatología, November 30, 2007, Punta Cana, Dominican Republic.

68. "Cirugía Mínimamente Invasiva de la Rodilla (Conceptos Modernos)" C.J. Lavernia. Presented at the XXVIII Annual Meeting of the Sociedad Dominicana De Ortopedia Y Traumatología, November 30, 2007, Punta Cana, Dominican Republic.

69. "Cuanto Duran las Artroplastias de Rodilla?" C.J. Lavernia. Presented at the XXVIII Annual Meeting of the Sociedad Dominicana De Ortopedia Y Traumatologia, November 30, 2007, Punta Cana, Dominican Republic.

70. "The Cost of Talent" C.J. Lavernia. Presented at the 37th Harvard Advances in Arthroplasty Course, September 25 – 27, 2007, Boston, MA.

71. "Common Errors in Primary TKA" C.J. Lavernia. Presented at the 37th Harvard Advances in Arthroplasty Course, September 25–27, 2007, Boston, MA.

72. "Surgeon Reimbursement: Review in Total Joint Replacement Reimbursement with AMA and Medicare" C.J. Lavernia. Presented at the 21st Annual Vail Orthopaedic Symposium, January 24, 2007, Vail, CO.

INVITED GUEST LECTURES *(Continued)*

73. "Osteonecrosis of the Femur: Etiology and Management" C.J. Lavernia. Presented at the 21st Annual Vail Orthopaedic Symposium, January 22, 2007, Vail, CO.

74. "Cuanto Debería Durar Una Prótesis Total de Rodilla?" C.J. Lavernia. Presented at the XLIII Annual Congreso Argentino, December 4 - 6, 2006, Buenos Aires, Argentina.

75. "Evaluacion del Dolor Preoperatorio en la Revision de la Artroplastia de Cadera" C.J. Lavernia. Presented at the XLIII Annual Congreso Argentino, December 4 - 6, 2006, Buenos Aires, Argentina.

76. "Errores Comunes en Reemplazo Total de Rodilla" C.J. Lavernia. Presented at the XLIII Annual Congreso Argentino, December 4 - 6, 2006, Buenos Aires, Argentina.

77. "Conservative Management of Osteoarthritis of the Hip and Knee" C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 10, 2006, Miami, FL.

78. "Small Incision Total Hip Replacement with the M/L Taper" C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 10, 2006, Miami, FL.

79. "Femoral Side and THR: The M/L Taper" C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 10, 2006, Miami, FL.

80. "Leg Length in Total Hip Arthroplasty" C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 11, 2006, Miami, FL.

81. "Dislocation in Total Hip Replacement: Prevention and Treatment". C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 11, 2006, Miami, FL.

82. "Navigation in Arthroplasty" C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 11, 2006, Miami, FL.

83. "Timing in Arthroplasty" C.J. Lavernia. Presented at the Zimmer International Arthroplasty Symposium. November 11, 2006, Miami, FL.

84. "Surgical Alloys" C.J. Lavernia. Presented to the Biomedical Engineering Students at the University of Miami, October 27, 2006, Miami, FL.

85. "Reimbursement in TJA: The Next 5 Years" C.J. Lavernia. Presented at the 36th Annual Harvard Advances in Arthroplasty Course, October 4 - 7, 2006, Boston, MA.

INVITED GUEST LECTURES *(Continued)*

86. "The Cost of Talent" C.J. Lavernia. Presented at the 36th Annual Harvard Advances in Arthroplasty Course, October 4 - 7, 2006, Boston, MA.

87. "Economics of THA-Minimal/Conventional Approaches" C.J. Lavernia. Presented at the Insall Scott Kelly Institute Meeting, September 16, 2006, New York, NY.

88. "Early Clinical Experience with a Collarless Tapered Femoral Component" C.J. Lavernia. Presented at the 20th Annual Vail Orthopaedic Symposium, January 22 - 27, 2006, Vail, CO.

89. "A Closer Look: The Evolving Relationship between Orthopaedic Surgeons and the Medical Device Industry" C.J. Lavernia. Presented at the CCJR Symposium, December 16, 2005, Orlando, FL.

90. "Leg Length in Total Hip Arthroplasty" C.J. Lavernia. Presented at the Miami Hip and Knee Course at Mercy Hospital, November 19, 2005, Miami, FL.

91. "Timing an Arthroplasty" C.J. Lavernia. Presented at the Miami Hip and Knee Course at Mercy Hospital, November 19, 2005, Miami, FL.

92. "Complications in Arthroplasty" C.J. Lavernia. Presented at the Miami Hip and Knee Course at Mercy Hospital, November 18, 2005, Miami, FL.

93. "Common Errors in Total Knee Replacement" C.J. Lavernia. Presented at the Miami Hip and Knee Course at Mercy Hospital, November 18, 2005, Miami, FL.

94. "Conservative Management of Osteoarthritis of the Hip and Knee" C.J. Lavernia. Presented at the Miami Hip and Knee Course at Mercy Hospital, November 18, 2005, Miami, FL.

95. "The Cost of Talent" C.J. Lavernia. Presented at the Zimmer Hip and Knee Educational Program, Rush University Medical Center, October 18, 2005, Chicago, IL.

96. "Preventing Leg Length Inequality in THA" C.J. Lavernia. Presented at the Zimmer Hip and Knee Educational Program, Rush University Medical Center, October 18, 2005, Chicago, IL.

97. "Managing Dislocation" C.J. Lavernia. Presented at the Zimmer Hip and Knee Educational Program, Rush University Medical Center, October 18, 2005, Chicago, IL.

INVITED GUEST LECTURES *(Continued)*

98. "Cost Effectiveness & Quality of Life in TKA" C.J. Lavernia. Presented at the Zimmer Hip and Knee Educational Program, Rush University Medical Center, October 17, 2005, Chicago, IL.

99. "Medicare and TJA" C.J. Lavernia. Presented at the 35th Annual Arthroplasty Course, Harvard Medical School, October 1, 2005, Boston, MA.

100. "High Flex C.R. Systems" C.J. Lavernia. Presented at the 35th Annual Arthroplasty Course, Harvard Medical School, September 30, 2005, Boston, MA.

101. "Preventing Leg Length Discrepancy in THA" C.J. Lavernia. Presented at the 8th Annual Insall Scott Kelly Institute Sports Medicine and Total Knee & Hip Symposium, September 18, 2005, New York, NY.

102. "Economics of THA - Minimally Invasive and Traditional Approaches" C.J. Lavernia. Presented at the MIS Symposium, September 18, 2005, New York, NY.

103. "Surgical Options for Mini-Incision THR" C.J. Lavernia. Presented at the MIS Symposium, September 16, 2005, New York, NY.

104. "Joint Arthroplasty" C. J. Lavernia. Presented at the Biennial Meeting and Reunion Weekend Hosted by the John Hopkins Medical and Surgical Association and the Johns Hopkins School of Medicine, June 2-5, 2005, Baltimore, MD.

105. "Potential Economic Impact of the Two-Incision THR" C.J. Lavernia, Michele D'Apuzzo. Presented at the 23rd Annual Mid-America Orthopaedic Association Meeting, April 20 - 24, 2005, Amelia Island, FL.

106. "Quad-Sparing TKR: Potential Economic Implant" C.J. Lavernia, Michele D'Apuzzo. Presented at the 23rd Annual Mid-America Orthopaedic Association Meeting, April 20 - 24, 2005, Amelia Island, FL.

107. "Actividad y Desgaste en Artroplastia de Rodilla. Cuanto Duran las Artroplastias de Rodilla" C. J. Lavernia. Presented at the XLI Congreso Argentino, December 7 - 8, 2004, Buenos Aires, Argentina.

108. "Utilización de la Realidad Virtual en la Simulación de Situaciones quirúrgicas" C.J. Lavernia. Presented at the XLI Congreso Argentino, December 7 - 8, 2004, Buenos Aires, Argentina.

109. "Introduction/Course Overview" C.J. Lavernia. Presented at the International Symposium of Arthroplasty, November 11 - 13, 2004, Miami, FL.

INVITED GUEST LECTURES *(Continued)*

110. "Leg Length Discrepancy in Total Hip Arthroplasty" C.J. Lavernia. Presented at the International Symposium of Arthroplasty, November 11 - 13, 2004, Miami, FL.

111. "Non-Surgical Management of Knee Arthritis" C.J. Lavernia. Presented at the International Symposium of Arthroplasty, November 11-13, 2004, Miami, FL.

112. "Management of Infected Total Knee Revision" C.J. Lavernia. Presented at the International Symposium of Arthroplasty, November 11 – 13, 2004, Miami, FL.

113. "Femoral Fixation in Total Hip Revision" C.J. Lavernia. Presented at the International Symposium of Arthroplasty, November 11 - 13, 2004, Miami, FL.

114. "Closing Remarks/Evaluations" C.J. Lavernia. Presented at the International Symposium of Arthroplasty, November 11 - 13, 2004, Miami, FL.

115. "Preventing Leg Length Inequality in THA" C.J. Lavernia. Presented at the Third Simposio Internacional Combinado de Artroplastia, October 2004, Rio de Janeiro, Brazil.

116. "Common Errors in Primary Total Knee Replacement" C.J. Lavernia. Presented at the Third Simposio Internacional Combinado de Artroplastia, October 2004, Rio de Janeiro, Brazil.

117. "Mobile Bearing vs. Fixed Bearing Total Knee Postoperative Pain, Function and ROM" C.J. Lavernia. Presented at the Third Simposio Internacional Combinado de Artroplastia, October 2004, Rio de Janeiro, Brazil.

118. "Radiographic Wear Measurements in a Cementless Metal-Backed Modular Cobalt-Chromium Acetabular Component" C.J. Lavernia. Presented at the Third Simposio Internacional Combinado de Artroplastia, October 2004, Rio de Janeiro, Brazil.

119. "Constrained Liners in Total Hip Replacements: Intraoperative Technique" C.J. Lavernia. Presented at the Third Simposio Internacional Combinado de Artroplastia, October 2004, Rio de Janeiro, Brazil.

120. "Infections in TKR: Diagnosis and Management" C.J. Lavernia. Presented at the Third Simposio Internacional Combinado de Artroplastia, October 2004, Rio de Janeiro, Brazil.

121. "Common Errors in Primary Total Knee Replacement" C.J. Lavernia. Presented at the SBOT 36th Annual Congreso Brasileiro de Ortopedia, October 2004, Rio de Janeiro, Brazil.

INVITED GUEST LECTURES *(Continued)*

122. "Dislocation in THR Etiology and Management" C.J. Lavernia. Presented at the SBOT 36th Annual Congreso Brasileiro de Ortopedia, October 2004, Rio de Janeiro, Brazil.

123. "How to avoid complications" C.J. Lavernia. Presented at Futures and Outcomes in Minimally Invasive Arthroplasty, September 3 - 4, 2004, Gleneagles, Scotland.

124. "Cruciate Retention?" C.J. Lavernia. Presented at Futures and Outcomes in Minimally Invasive Arthroplasty, September 3 - 4, 2004, Gleneagles, Scotland.

125. "Conservative Management of Knee Osteoarthritis" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

126. "Implant Selection in Knee Arthroplasty" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

127. "Common Errors in Knee Arthroplasty" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

128. "Minimally Invasive Knee Arthroplasty" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

129. "Management of the Infected Knee" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

130. "Extensor Mechanism in Knee Replacement" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

131. "Uncemented Fixation in Hip Replacement: The Stem" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

132. "Dislocation in Primary Hip Arthroplasty" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

133. "Thigh Pain in Primary Hip Arthroplasty" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

134. "Stem Selection in Hip Revision" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

135. "Use of Cages in Revision Arthroplasty" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

INVITED GUEST LECTURES *(Continued)*

136. "Complex Surgical Cases of the Hip" C.J. Lavernia. Presented at the International Arthroplasty Symposium, August 5 - 6, 2004, Valle Nevado, Santiago, Chile.

137. "Management of Bone Defects" C.J. Lavernia. Presented at the 4th Annual Arthroplasty Course, The knee: Ligament & Arthritis Surgery, May 14 - 16, 2004, Minneapolis, MN.

138. "Extensors Mechanism Disruption" C.J. Lavernia. Presented at the 4th Annual Arthroplasty Course, The knee: Ligament & Arthritis Surgery, May 14 - 16, 2004, Minneapolis, MN.

139. "Avoiding Leg Length Inequality after Total Hip Arthroplasty" C.J. Lavernia. Presented at the Mayo Clinic's Tuesday Night Conference, May 11, 2004, Minneapolis, MN.

140. "Influence of Component Design on Range of Motion after Total Hip Arthroplasty" C.J. Lavernia. Presented at the Mayo Clinic's Tuesday Night Conference, May 11, 2004, Minneapolis, MN.

141. "Common Errors in Primary TKA" C.J. Lavernia. Presented at the Zimmer Hip and Knee Course, April 23, 2004, West Palm Beach, FL.

142. "How Long Should a Knee Replacement Last" C.J. Lavernia. Presented at the Zimmer Hip and Knee Course, April 23, 2004, West Palm Beach, FL.

143. "Hip and Knee Registry" C.J. Lavernia. Presented at the Zimmer Hip and Knee Course, April 23, 2004, West Palm Beach, FL.

144. "Advantage of Cruciate Retaining Prosthesis with Deep Flexion and MIS TKA" C.J. Lavernia. Presented at the 102nd Central Japanese Association of Orthopaedic Surgery & Traumatology, March 24 - 28, 2004, Matsyyama, Japan.

145. "Virtual Reality Computer Animation of the Effect of Component Position and Design on Stability after Total Hip Arthroplasty" C.J. Lavernia. Presented at the 102nd Central.

146. "Japanese Association of Orthopaedic Surgery & Traumatology, March 24 - 28, 2004, Matsyyama, Japan.

147. "How to Start a Joint Registry" C.J. Lavernia. Presented at the 18th Annual Vail Orthopaedic Symposium, January 25 - 30, 2004, Vail, CO.

148. "Preventing Leg Length Inequality" C.J. Lavernia. Presented at the 18th Annual Vail Orthopaedic Symposium, January 25 - 30, 2004, Vail, CO.

INVITED GUEST LECTURES *(Continued)*

149. "Virtual Reality Computer Animation of the Effect of Component Position and Design on Stability Following Total Hip Arthroplasty" C.J. Lavernia. Presented at the 18th Annual Vail Orthopaedic Symposium, January 25 - 30, 2004, Vail CO.

150. "Common Errors in Primary Total Knee Replacement" C.J. Lavernia. Presented at the 8th Annual Vail Orthopaedic Symposium, January 25 - 30, 2004, Vail, CO.

151. "Symposium I: Socioeconomic Issues in Total Joint Replacement Surgery" C.J. Lavernia. Presented at the 13th Annual Meeting, Hilton DFW Lakes Conference Center, October 31 - November 2, 2003, Dallas, TX.

152. "Non-Surgical Management of Hip Arthritis" C.J. Lavernia. Presented at the International Arthroplasty Symposium, October 17 - 18, 2003, Miami, FL.

153. "Thigh Pain in Cementless THR" C.J. Lavernia. Presented at the International Arthroplasty Symposium, October 17 - 18, 2003, Miami, FL.

154. "Dislocations in Primary THR" C.J. Lavernia. Presented at the International Arthroplasty Symposium, October 17 - 18, 2003, Miami, FL.

155. "Common Errors in Primary TKR" C.J. Lavernia. Presented at the International Arthroplasty Symposium, October 17 - 18, 2003, Miami, FL.

156. "Infections in TKR" C.J. Lavernia. Presented at the International Arthroplasty Symposium, October 17 - 18, 2003, Miami, FL.

157. "Avascular Necrosis of the Hip" C.J. Lavernia. Presented at the International Arthroplasty Symposium, October 17 - 18, 2003, Miami, FL.

158. "Timing the Surgical Intervention: Optimizing Outcome" C.J. Lavernia. Presented at Campinas Knee Surgery Meeting, October 5, 2003, Campinas, Brazil.

159. "How Long Should a TKR Last" C.J. Lavernia. Presented at Campinas Knee Surgery Meeting, October 5, 2003, Campinas, Brazil.

160. "Common error in Primary Total Knee Replacement" C.J. Lavernia. Presented at Campinas Surgery Meeting, October 5, 2003, Campinas, Brazil.

161. "Mesa Redonda Moderna: Protese Total de Joelho" G. Armaral, P. Alencar, M. Percope, Prof. G. Camanho, and C.J. Lavernia. Presented at Campinas Knee Surgery Meeting, October 5, 2003, Campinas, Brazil.

INVITED GUEST LECTURES *(Continued)*

162. "Activity Level and Wear in Total Knee Replacement: A Study in Autopsy Retrieved Specimens" C. J. Lavernia. Presented at Campinas Knee Surgery Meeting, October 5, 2003, Campinas, Brazil.

163. "Creating a Joint Replacement Registry in a busy Arthroplasty Unit" C.J. Lavernia. Presented at the Orthopaedic Clinical Outcomes Research Symposium, Hotel Intercontinental, September 26 - 28, 2003, Berlin, Germany.

164. "Outcomes Domains in Arthroplasty Pain, Function and Motion Managing the Expectations" C.J. Lavernia. Presented at the Orthopaedic Clinical Outcomes Research Symposium, Hotel Intercontinental, September 26 - 28, 2003, Berlin, Germany.

165. "Feedback Studies – Next Gen: 5-year data" C.J. Lavernia. Presented at the Zimmer-Orthopaedic Clinical Outcomes Research Symposium, September 26, 2003, Berlin, Germany.

166. "Jumbo Sockets in Total Hip Replacement" C.J. Lavernia. Presented at the Puerto Rican Society of Orthopedics and Traumatology, August 29 - 31, 2003, San Juan, PR.

167. "The Impact of Medicare in Total Joint Replacement" C.J. Lavernia. Presented at the Puerto Rican Society of Orthopedics and Traumatology, August 29 - 31, 2003, San Juan, PR.

168. "Total Hip" C.J. Lavernia. Presented at the Johns Hopkins University School of Medicine's Orthopaedic Review Course, June 22 - 27, 2003, Baltimore, MD.

169. "Jumbo Sockets in Total Hip Revision" C.J. Lavernia. Presented at the Hip and Knee Course at the PGA Resort, April 25 - 27, 2003, West Palm Beach, FL.

170. "Anti Protrusio Cages in Acetabular Hip Revision" C.J. Lavernia. Presented at the Hip and Knee Course at the PGA Resort, April 25 - 27, 2003, West Palm Beach, FL.

171. "Jumbo Components in Revision Acetabular Surgery" C.J. Lavernia. Presented at the 17th Annual Vail Orthopaedic Symposium "State of the Art: Total Hip and Total Knee Replacement - Controversies and Solutions", January 19 - 24, 2003, Vail, CO.

172. "Preventing Leg Length Inequality" C.J. Lavernia. Presented at the 17th Annual Vail Orthopaedic Symposium "State of the Art Total Hip and Total Knee Replacement-Controversies and Solutions", January 19 - 24, 2003, Vail, CO.

INVITED GUEST LECTURES *(Continued)*

173. "How long should a TKR last?" C.J. Lavernia. Presented at the 17th Annual Vail Orthopaedic Symposium "State of the Art: Total Hip and Total Knee Replacement-Controversies and Solutions", January 19 - 24, 2003, Vail, CO.

174. "Los Efectos de la Posición de los Componentes en Movimiento en Relación al Roce y la Luxación en Reemplazo Total de Cadera" C.J. Lavernia. Presented at the XXXIX Argentine Orthopaedic Meeting, December 2002, Buenos Aires, Argentina.

175. "Dislocación en Caderas Primarias" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

176. "Necrosis Avascular" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

177. "Fracturas de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

178. "Materiales en ATR" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

179. "Errores Comunes en ATR" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

180. "Infecciones en ATR" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

181. "Selección del Tallo en Cirugía de Recambio" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

182. "Manejo Conservador de la Artritis" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

183. "Selección de Implantes" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

184. "Fijación Femoral en Reemplazos de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, November 22 - 23, 2002, Miami, FL.

185. "Timing of Surgery in Treatment of Hip Fractures" C.J. Lavernia. Presented at the 34th Congresso Brasileiro de Ortopedia E Traumatologia, October 29 - November 1, 2002, Sao Paulo, Brazil.

INVITED GUEST LECTURES *(Continued)*

186. "Treatment of AVN in the Hip" C.J. Lavernia. Presented at the 34th Congresso Brasileiro de Ortopedia E Traumatologia, October 29 - November 1, 2002, Sao Paulo, Brazil.

187. "Practical Points in Setting up a Hip & Knee Registry" C.J. Lavernia. Presented at Clinical Outcomes Research Symposium, Sawgrass Resort, September 19 - 22, 2002, Ponte Vedra Beach, FL.

188. "Domain Assessment in Outcomes after Arthroplasty" C.J. Lavernia. Presented at Clinical Outcomes Research Symposium, Sawgrass Resort, September 19 - 22, 2002, Ponte Vedra Beach, FL.

189. "Hip fractures: Epidemiology, diagnosis and management" C.J. Lavernia. Presented at the AGOT/AAOS Educational Program, July 27, 2002, Guatemala City, Guatemala.

190. "Total Knee Replacement: Implant Selection Common Errors in Primary Total Knee Replacement" C.J. Lavernia. Presented at the AGOT/AAOS Educational Program, July 27, 2002, Guatemala City, Guatemala.

191. "Total Hip Replacement Implant Selection Instability: Management and Prevention" C.J. Lavernia. Presented at the AGOT/AAOS Educational Program, July 27, 2002, Guatemala City, Guatemala.

192. "Alloinjertos en Reconstrucción de Rodilla" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting in July 18 - 20, 2002, Rio de Janeiro, Brazil.

193. "Inestabilidad Preoperatoria en la Artroplastia de Cadera" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting, July 18 - 20, 2002, Rio de Janeiro, Brazil.

194. "Artroplastia Primaria de Cadera" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting, July 18 - 20, 2002, Rio de Janeiro, Brazil.

195. "Mobile Bearing vs. Fixed Bearing" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting, July 18 - 20, 2002, Rio de Janeiro, Brazil.

196. "Banco de Huesos en Revisiones de Cadera" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting, July 18 - 20, 2002, Rio de Janeiro, Brazil.

197. "Selección de Implantes en Cirugía de Rodilla" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting, July 18 - 20, 2002, Rio de Janeiro, Brazil.

198. "Errores Comunes en Artroplastia de Cadera" C.J. Lavernia. Presented at the II Brazilian Joint Replacement Meeting, July 18 - 20, 2002, Rio de Janeiro, Brazil.

INVITED GUEST LECTURES *(Continued)*

199. "Manejo No Quirúrgico de la Artritis" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

200. "Discrepancia en el Largo de las Piernas in Artroplastia de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

201. "Dislocación de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

202. "Selección de Prótesis de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

203. "Uso de Jaulas Reconstructivas en Revisión de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

204. "Fracturas de Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

205. "Infección en Reemplazo Total de Rodilla" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

206. "Necrosis Avascular de la Cadera" C.J. Lavernia. Presented at the Simposio Internacional de Artroplastia, Biltmore Hotel, June 7 - 8, 2002, Miami, FL.

207. "Timing the Surgical Intervention Optimizing Outcomes" C.J. Lavernia. Presented at the Decision Making in Hip and Knee Arthroplasty Meeting, May 3 - 5, 2002, Paradise Island, Bahamas.

208. "Virtual Reality-Computer Analysis of the Influence of Component Position on Hip Stability" C.J. Lavernia. Presented at the Decision Making in Hip and Knee Arthroplasty Meeting, May 3 - 5, 2002, Paradise Island, Bahamas.

209. "Errores Comunes en Artroplastia Primaria de Rodilla" C.J. Lavernia. Presented at the Sociedad Puertorriqueña de Ortopedia y Traumatología Spring Meeting, April 11 - 15, 2002, San Juan, PR.

210. "Selección de Implantes en Artroplastia Total de Cadera" C.J. Lavernia. Presented at the Sociedad Puertorriqueña de Ortopedia y Traumatología Spring Meeting, April 11 - 15, 2002, San Juan, PR.

INVITED GUEST LECTURES *(Continued)*

211. "Reemplazo Utilizando Instrumentación 'Four-in-One'" C.J. Lavernia. Presented at the Sociedad Puertorriqueña de Ortopedia y Traumatología Spring Meeting, April 11 - 15, 2002, San Juan, PR.

212. "Activity Level and Wear in TKR" C.J. Lavernia. Presented at the 16th Annual Vail Orthopaedic Symposium, January 27 - February 1, 2002, Vail, CO.

213. "Leg Length Discrepancies in THR" C.J. Lavernia. Presented at the 16th Annual Vail Orthopaedic Symposium, January 27 – February 1, 2002, Vail, CO.

214. "1st Vail Latin American Orthopaedic Conference" Presented at the 16th Annual Vail Orthopaedic Symposium, January 31, 2002, Vail, CO.

215. "Discrepancia en el Largo de las Piernas en Artroplastia de Cadera" C.J. Lavernia. Presented at the Simposio de Artroplastia Total de Miami, at Cedars Medical Center and The Biltmore Hotel, December 10 - 11, 2001, Miami, FL.

216. "Fracturas de Cadera" C.J. Lavernia. Presented at the Simposio de Artroplastia Total de Miami, at Cedars Medical Center and The Biltmore Hotel, December 10 - 11, 2001, Miami, FL.

217. "Uso de Jaulas Reconstructivas en Revisión Acetabular" C.J. Lavernia. Presented at the Simposio de Artroplastia Total de Miami, at Cedars Medical Center and The Biltmore Hotel, December 10 - 11, 2001, Miami, FL.

218. "Selección de Implantes en TKR" C.J. Lavernia. Presented at the Simposio de Artroplastia Total de Miami, at Cedars Medical Center and The Biltmore Hotel, December 10 - 11, 2001, Miami, FL.

219. "Errores Comunes en Artroplastia Primaria de Rodilla" C.J. Lavernia. Presented at the Simposio de Artroplastia Total de Miami, at Cedars Medical Center and The Biltmore Hotel, December 10 - 11, 2001, Miami, FL.

220. "Infecciones en TKR" C.J. Lavernia. Presented at the Simposio de Artroplastia Total de Miami, at Cedars Medical Center and the Biltmore Hotel, December 10 - 11, 2001, Miami, FL.

221. Necrosis Avascular de Cadera" C.J. Lavernia. Presented at the XXXVII Congreso Argentino de Ortopedia y Traumatología, December 2 - 6, 2001, Buenos Aires, Argentina.

INVITED GUEST LECTURES *(Continued)*

222. "Necrosis Avascular de la Cadera" C.J. Lavernia. Presented at the SLAOT XVIII Congreso Latinoamericano de Ortopedia y Traumatología Meeting, October 25 - 27, 2001, San Salvador, El Salvador.

223. "Uso de Jaulas Acetabulares en Reemplazo Articular" C.J. Lavernia. Presented at the SLAOT XVIII Congreso Latinoamericano de Ortopedia y Traumatología Meeting, October 25 - 27, 2001, San Salvador, El Salvador.

224. "Discrepancia de Longitud de las Extremidades en Reemplazo de Cadera" C.J. Lavernia. Presented at the SLAOT XVIII Congreso Latinoamericano de Ortopedia y Traumatología Meeting, October 25 - 27, 2001, San Salvador, El Salvador.

225. "Patient Considerations" C.J. Lavernia. Presented at the Arthritic Hip and Knee Symposium, October 11 - 14, 2001, Williamsburg, VA.

226. "How Long Should TKR last?" C.J. Lavernia. Presented at the Arthritic Hip and Knee Symposium, October 11 - 14, 2001, Williamsburg, VA.

227. "Activity and Wear after TKR" C.J. Lavernia. Presented at the Arthritic Hip and Knee Symposium, October 11 - 14, 2001, Williamsburg, VA.

228. "AVN Management Algorithm" C.J. Lavernia. Presented at the Arthritic Hip and Knee Symposium, October 11 - 14, 2001, Williamsburg, VA.

229. "Cages" C.J. Lavernia. Presented at the Arthritic Hip and Knee Symposium, October 11 - 14, 2001, Williamsburg, VA.

230. "Selección de Implantes en Artroplastia Total de Cadera" C.J. Lavernia. Presented at the Soc. Dominicana de Ortopedia y Traumatología – Jornada Regional Este, September 29, 2001, La Romana, Dominican Republic.

231. "Errores Comunes en la Artroplastia primaria de Rodilla" C.J. Lavernia. Presented at the Soc. Dominicana de Ortopedia y Traumatología – Jornada Regional Este, September 29, 2001, La Romana, Dominican Republic.

232. "Manejo de la Artroplastia Infectada" C.J. Lavernia. Presented at the Soc. Dominicana de Ortopedia y Traumatología – Jornada Regional Este, September 29, 2001, La Romana, Dominican Republic.

INVITED GUEST LECTURES *(Continued)*

233. "Artroplastia: Cuando y Donde" C.J. Lavernia. Presented at the XVIII Congreso Nacional de Ortopedia y Traumatología de Guatemala, September 3 - 5, 2001, Guatemala City, Guatemala.

234. "Planificación Preoperatoria" C.J. Lavernia. Presented at the XVIII Congreso Nacional de Ortopedia y Traumatología de Guatemala, September 3 - 5, 2001 Guatemala City, Guatemala.

235. "Core Decompression – Indicaciones y Técnicas" C.J. Lavernia. Presented at the XXXIII Congreso Peruano de Ortopedia y Traumatología August 1 - 4, 2001, Lima, Perú.

236. "Artroplastia Total en la Osteonecrosis" C.J. Lavernia. Presented at the XXXIII Congreso Peruano de Ortopedia y Traumatología, August 1 - 4, 2001, Lima, Perú.

237. "El Factor Económico en Reemplazo Total de Articulaciones, Valor del Costo y Calidad de Vida" C.J. Lavernia. Presented at the XXXIII Congreso Peruano de Ortopedia y Traumatología, August 1 - 4, 2001, Lima, Perú.

238. "Manejo No Quirúrgico de la Artritis de Rodilla y Cadera" C.J. Lavernia. Presented at the Miami Total Joint Symposium, June 22 - 23, 2001, Coral Gables, FL.

239. "Fracturas de Cadera" C.J. Lavernia. Presented at the Miami Total Joint Symposium, June 22 - 23, 2001, Coral Gables, FL.

240. "Necrosis Avascular" C.J. Lavernia. Presented at the Miami Total Joint Symposium, June 22 - 23, 2001, Coral Gables, FL.

241. "Evaluación de los Resultados de Cirugía de Reconstrucción" C.J. Lavernia. Presented at the Miami Total Joint Symposium, June 22 - 23, 2001, Coral Gables, FL.

242. "Alloinjertos en Reconstrucción de Cadera y Rodilla" C.J. Lavernia. Presented at the Miami Total Joint Symposium, June 22 - 23, 2001, Coral Gables, FL.

243. "Global Awareness: Impact of the Internet in Latin America" C.J. Lavernia. Presented at the Regulatory Affairs Professional Society Meeting at the Wyndham Miami Biscayne Bay Hotel, May 7 - 8, 2001, Miami, FL.

244. "Longitud de las Piernas en Prótesis total de Cadera: Estabilidad e Igualdad" C.J. Lavernia. Presented at the Sociedad Mexicana de Cirugía de Cadera, A.C. Reunión Anual, March 21 - 24, 2001, Guadalajara, México.

245. "Necrosis Avascular de la Cadera" C.J. Lavernia. Presented at the Sociedad Mexicana de Cirugía de Cadera, A.C. Reunión Anual, March 21 - 24, 2001, Guadalajara, México.

INVITED GUEST LECTURES *(Continued)*

246. “Reemplazo Total de Cadera” C.J. Lavernia. Presented at the Sociedad Mexicana de Cirugía de Cadera, A.C. Reunión Anual, March 21 - 24, 2001, Guadalajara, México.

247. “Efecto de la Posición de los Componentes” C.J. Lavernia. Presented at the Sociedad Mexicana de Cirugía de Cadera, A.C. Reunión Anual, March 21 - 24, 2001, Guadalajara, México.

248. “Uso de Jaulas Acetabulares en Reemplazo Articular” C.J. Lavernia. Presented at the Sociedad Mexicana de Cirugía de Cadera, A.C. Reunión Anual, March 21 - 24, 2001, Guadalajara, México.

249. “Discrepancias de Longitud de Extremidades en Reemplazo de Cadera" C.J. Lavernia. Presented at the VI Congreso Internacional de Ortopedia y Traumatología, February 7 - 9, 2001, Panamá City, Panamá.

250. “Posicionamiento de Componentes: Efectos en Movimiento y Pinzamiento" C.J. Lavernia. Presented at the VI Congreso Internacional de Ortopedia y Traumatología, February 7 - 9, 2001, Panamá City, Panamá.

251. “Anillos Acetabulares in Revisión de Reemplazo de Cadera" C.J. Lavernia. Presented at the VI Congreso Internacional de Ortopedia y Traumatología, February 7 - 9, 2001, Panamá City, Panamá.

252. "Necrosis Avascular de Cadera" C.J. Lavernia. Presented at the VI Congreso Internacional de Ortopedia y Traumatología, February 7 - 9, 2001, Panamá City, Panamá.

253. "Posicionamiento de Componentes: Efectos en Movimiento y Pinzamiento" C.J. Lavernia. Presented at the VI Congreso Internacional de Ortopedia y Traumatología, February 7 - 9, 2001, Panamá City, Panamá.

254. “Locking Mechanisms of Acetabular Components" C.J. Lavernia. Presented at the 15th Annual Vail Orthopaedic Symposium State of the Art: Total Hip and Total Knee Replacement - Controversies and Solution, January 21 - 26, 2001, Vail, CO.

255. “Leg Length Discrepancies in THR" C.J. Lavernia. Presented at the 15th Annual Vail Orthopaedic Symposium State of the Art: Total Hip and Total Knee Replacement - Controversies and Solutions, January 21 - 26, 2001, Vail, CO.

256. “Virtual Reality Computer Animation of the Effects of Component Positioning and Design on Stability Following THA" C.J. Lavernia. Presented at the 15th Annual Vail Orthopaedic Symposium State of the Art: Total Hip and Total Knee Replacement - Controversies and Solutions, January 21 - 26, 2001, Vail, CO.

INVITED GUEST LECTURES *(Continued)*

257. "Activity Level and Wear in TKR" C.J. Lavernia. Presented at the 15th Annual Vail Orthopaedic Symposium State of the Art: Total Hip and Total Knee Replacement - Controversies and Solutions, January 21 - 26, 2001, Vail, CO.

258. "Femoral Neck and Intertrochanteric Fractures" C.J. Lavernia. Presented at the XXXVII Congreso Argentino y I Congreso Argentino-Europeo de Ortopedia y Traumatología, December 3 - 7, 2000, Buenos Aires, Argentina.

259. "Leg Length Discrepancies in Total Hip Arthroplasties" C.J. Lavernia. Presented at the XXXVII Congreso Argentino y I Congreso Argentino-Europeo de Ortopedia y Traumatología, December 3 - 7, 2000, Buenos Aires, Argentina.

260. "Locking Mechanisms of Metal Backed Acetabular Liners" C.J. Lavernia. Presented at the XXXVII Congreso Argentino y I Congreso Argentino-Europeo de Ortopedia y Traumatología, December 3 - 7, 2000, Buenos Aires, Argentina.

261. "The Economics of Total Joints: Cost Effectiveness and Quality of Life" C.J. Lavernia. Keynote presentation at the Surgical Challenges & Choices in Hip and Knee Reconstruction Meeting, at the Doral Country Club, November 9 - 11, 2000, Miami, FL.

262. "Utilización de la Realidad Virtual en la Simulación de Situaciones Quirúrgicas" C.J. Lavernia. Lecture given to Argentinean Journalist at a Medical Alliance presentation, Cedars Medical Center, October 18, 2000, Miami, FL.

263. "Surgical Anatomy of Joint Replacement: Introduction to Medical Students" C.J. Lavernia. Lecture presented to the Cell Biology and Anatomy students, Rosenstiel Building, University of Miami School of Medicine, October 4, 2000, Miami, FL.

264. "Surgical Care of Arthritis" C.J. Lavernia. Lecture presented to the students of The William J. Harrington Medical Training Programs for Latin America, Cedars Medical Center, September 29, 2000, Miami, FL.

265. "Alternatives for Managing Dislocation" C.J. Lavernia. Presented at Contemporary Techniques and Issues in Orthopaedics Symposium, September 13 - 16, 2000, Coeur d'Alene, Idaho.

266. "Necrosis Avascular de Cadera" C.J. Lavernia. Presented at the 45 Congreso de la Sociedad Colombiana de Cirugía Ortopédica y Traumatología, August 17 - 20, 2000, Cali, Colombia.

INVITED GUEST LECTURES *(Continued)*

267. "Posicionamiento de Componentes: Efectos in Movimiento y Pinzamiento" C.J. Lavernia. Presented at the 45 Congreso de la Sociedad Colombiana de Cirugía Ortopédica y Traumatología, August 17 - 20, 2000, Cali, Colombia.

268. "Discrepancia de Longitud de Extremidades" C.J. Lavernia. Presented at the 45 Congreso de la Sociedad Colombiana de Cirugía Ortopédica y Traumatología, August 17 - 20, 2000, Cali, Colombia.

269. "Leg Length Discrepancies in Total Hip Arthroplasty" C.J. Lavernia. Presented at the IV Reconstruction Congress, July 18 - 23, 2000, Rio de Janeiro, Brazil.

270. "Effects of Component Positioning in Motion to Impingement" C.J. Lavernia. Presented at the IV Reconstruction Congress, July 18 - 23, 2000, Rio de Janeiro, Brazil.

271. "Locking Mechanisms of Metal Backed Acetabular Liners" C.J. Lavernia. Presented at the IV Reconstruction Congress, July 18 - 23, 2000, Rio de Janeiro, Brazil.

272. "Nutritional Parameters and Outcome in Total Knee Arthroplasty" C.J. Lavernia. Presented at the IV Reconstruction Congress, July 18 - 23, 2000, Rio de Janeiro, Brazil.

273. "Leg Length Discrepancies in THA" C.J. Lavernia. Presented at the Chicago Learning Center at Rush Presbyterian-St. Luke's Medical Center's Total Hip and Total Knee Forum, June 27, 2000, Chicago, IL.

274. "Acetabular Cages in Revision THA" C.J. Lavernia. Presented at the Chicago Learning Center at Rush Presbyterian-St. Luke's Medical Center's Total Hip and Total Knee Forum, June 27, 2000, Chicago, IL.

275. "Avascular Necrosis of the Hip" C.J. Lavernia. Presented at the Chicago Learning Center at Rush Presbyterian-St. Luke's Medical Center's Total Hip and Total Knee Forum, June 27, 2000, Chicago, IL.

276. "Nutritional Parameters and Outcomes in TKA" C.J. Lavernia. Presented at the Chicago Learning Center at Rush Presbyterian-St. Luke's Medical Center's Total Hip and Total Knee Forum, June 26, 2000, Chicago, IL.

277. "Avascular Necrosis" C.J. Lavernia. Presented at CIMEX, June 6 -10, 2000, Havana, Cuba.

278. "Riesgos y Beneficios del Tratamiento Médico vs. Cirugía en la Artritis de la Cadera" C.J. Lavernia. Presented at the Convención Médica Cubana, Intercontinental Hotel, July 1, 2000.

INVITED GUEST LECTURES *(Continued)*

279. "Necrosis Avascular Ósea y Artritis Reumatoidea" C.J. Lavernia. Presented at the Asociación Colombiana de Reumatología en el Curso de Actualización en Reumatología, Hotel Casa Dann Carlton, May 19 - 20, 2000, Bogotá, Colombia.

280. "The Role of the Orthopaedist in Management of Lupus, Including Treatment of Osteoporosis and Avascular Necrosis" C.J. Lavernia. Presented at the Lupus Foundation Symposium, presented at the Delray Marriott, March 25, 2000, Delray Beach, FL.

281. "Los Efectos de la Posición de los Componentes en Movimiento en Relación al Roce y la Luxación en RTC" C.J. Lavernia. Presented at the XXXVI Congreso Argentino, Brasilero, Español de Ortopedia y Traumatología, November 30 - December 4, 1999, Buenos Aires, Argentina.

282. "Logrando Estabilidad e Igualdad en el Largo de las Piernas en Artroplastias Totales de Cadera: Fundamentos Acetabulares" C.J. Lavernia. Presented at the XXXVI Congreso Argentino, Brasilero, Español de Ortopedia y Traumatología, November 30 - December 4, 1999, Buenos Aires, Argentina.

283. "Ceramics" Presented at a BME 502 Class, University of Miami, October 21, 1999, Miami, FL.

284. "Joint Arthroplasties" Presented at a Physical Therapy class, University of Miami, October 18, 1999, Miami, FL.

285. "The Arthritic Hip" Presented at a Cell Biology & Anatomy class, University of Miami, October 6, 1999, Miami, FL.

286. "Degenerative Joint Disease" C.J. Lavernia. Presented at the Pathology Conference, Cedars Medical Center, August 5, 1999, Miami FL.

287. "Artroplastia de Ambas Caderas: Conceptos Actuales" C.J. Lavernia. Presented at the Miami Medical Alliance meeting for Venezuelan Journalists, Cedars Medical Center & University of Miami School of Medicine, May 3, 1999, Miami, FL.

288. "Nutritional Parameters and Short-Term Outcomes in Arthroplasty" C.J. Lavernia. Presented at Florida International University for the Dietetics and Nutrition Research Seminar Series, March 3, 1999, Miami, FL.

289. "Femoral Fixation in Primary Total Hip Replacement" C.J. Lavernia. Presented at a DePuy Seminar, PGA National Resort, February 20, 1999, Palm Beach Gardens, FL.

290. "Population Based Health Services Research: Nutrition and Chronic Disease Prevention" C.J. Lavernia. Fifth Anniversary Journey, January 25, 1999, Miami, FL.

INVITED GUEST LECTURES *(Continued)*

291. "Implant Choice: Decision Making" C.J. Lavernia. Presented at the AAOS Top 10 Summer Institute 1998, September 12 - 13, 1998, Chicago, IL.

292. "Economic Issues in Total Joint Arthroplasty" C.J. Lavernia. Presented at the AAOS Top 10 Summer Institute 1998, September 12 - 13, 1998, Chicago, IL.

293. "Complicaciones en la Cirugía de las Prótesis y su Tratamiento" C.J. Lavernia. Presented at the XXXIII Jornadas Nacionales "Dr. Alirio Molina", Sociedad Venezolana de Cirugía Ortopédica Y Traumatología, September 2 - 5, 1998, Maracaibo, Venezuela.

294. "Artroplastia Cementada de la Cadera" C.J. Lavernia. Presented at the XXXIII Jornadas Nacionales "Dr. Alirio Molina", Sociedad Venezolana de Cirugía Ortopédica Y Traumatología, September 2 - 5, 1998, Maracaibo, Venezuela.

295. "Hemiartroplastias en Fracturas de Cadera" C.J. Lavernia. Presented at the XXXIII Jornadas Nacionales "Dr. Alirio Molina", Sociedad Venezolana de Cirugía Ortopédica Y Traumatología, September 2 - 5, 1998, Maracaibo, Venezuela.

296. "Manejo de la Artroplastia Infectada" C.J. Lavernia. Presented at the XXXIII Jornadas Nacionales "Dr. Alirio Molina", Sociedad Venezolana de Cirugía Ortopédica y Traumatología, September 2 - 5, 1998, Maracaibo, Venezuela.

297. "Virtual Reality Computer Study of Component Design and Component Position Re: Dislocation" C.J. Lavernia. Syllabus of the 28th Annual Course on Total Hip Replacement, September 1998, Cambridge, MA.

298. "Biological Fixation vs. Cemented Fixation in TKR" C.J. Lavernia. Presented at the University of California, July 2, 1998, San Francisco, CA.

299. "Computer Simulation of Total Hip Component Positioning" C.J. Lavernia. Presented at the First Interamerican Medical Conference, sponsored by the International Health Center, University of Miami, June 5, 1998, Miami, FL.

300. "Economics of Total Joint Replacement" C.J. Lavernia. Presented at the Crucial Decisions in Total Joint Replacement and Sports Medicine meeting May 7 - 9, 1998, Bermuda.

301. "Biological vs. Cemented Fixation in Knee Replacement: Wear Rate and Interface Stiffness" C.J. Lavernia. Presented at the Crucial Decisions in Total Joint Replacement and Sports Medicine meeting May 7 - 9, 1998, Bermuda.

302. "Computer Simulation of Total Hip Component Positioning" C.J. Lavernia. Presented at the LOA Meeting, November 20 - 23, 1997, New Orleans, LA.

INVITED GUEST LECTURES *(Continued)*

303. "Knee Osteoarthritis: Medical and Surgical Treatment" C.J. Lavernia. Presented at the Medicine Conference, Columbia Cedars Medical Center, August 8, 1997, Miami, FL.

304. "Degenerative Joint Disease" C.J. Lavernia. Presented at the Pathology Conference, University of Miami School of Medicine, August 7, 1997, Miami, FL.

305. "Osteoarthritis: An Orthopod's Perspective" C.J. Lavernia. Presented at Orthologic's National Sales Meeting, July 10, 1997, Orlando, FL.

306. "Cost Containment in Joint Replacement" C.J. Lavernia. Presented to the medical staff at Jupiter Medical Center, May 28, 1997, Jupiter, FL.

307. "The Economics of THR" C.J. Lavernia. Presented at the Issues & Updates in Total Joint Arthroplasty meeting, May 16 - 17, 1997, Indianapolis, IN.

308. "State of the Art in Hip Replacement" C.J. Lavernia. Presented at the Orthopaedic Nurse Certification Review Course, April 10, 1997, Miami Lakes, FL.

309. "Cost Effectiveness & Quality of Life in Arthroplasty Surgery" C.J. Lavernia. Presented at the University of Colorado, Reconstructive Surgery of the Hip & Knee Annual Meeting, March 16 - 21, 1997, Aspen, CO.

310. "Medical Severity of Illness in the Short-term Outcome of Arthroplasty Surgery" C.J. Lavernia. Presented at the University of Colorado, Reconstructive Surgery of the Hip & Knee Annual Meeting, March 16 - 21, 1997, Aspen, CO.

311. "Cost Containment Strategies in TKR" C.J. Lavernia. Presented at Education Designs Outcomes in Orthopaedics Results Oriented Healthcare Course, September 26 - 28, 1996, Ponte Vedra Beach, FL.

312. "Medical and Surgical Mgmt. of Patients with Osteoarthritis of the Hip" C.J. Lavernia. Presented at the Dept. of Medicine Conference, Cedars Medical Center, June 5, 1996, Miami, FL.

313. "Cardiac Assessment of the Patient with a Hip Fracture" C.J. Lavernia. Presented at the Cardiology Conference, Columbia Cedars Medical Center, December 3, 1996, Miami, FL.

314. "Surgical Management of the Arthritic Hip" C.J. Lavernia. Invited speaker at Villa Maria Nursing & Rehabilitation Center, April 10, 1996, North Miami, FL.

INVITED GUEST LECTURES *(Continued)*

315. "Cost Effectiveness and Quality of Life in Arthroplasty Surgery" C.J. Lavernia. Presented at the University of Colorado Reconstructive Surgery of the Hip & Knee Annual Meeting, March 17 - 22, 1996, Aspen, CO.

316. "Avascular Necrosis" C.J. Lavernia. Presented at the University of Colorado Reconstructive Surgery of the Hip & Knee Annual Meeting, March 17 - 22, 1996, Aspen, CO.

317. "Consequences of Malalignment" C.J. Lavernia. Presented at the DePuy, Inc. Issues in Orthopaedics: Clinical Results & Outcomes Mtg., March 13 - 17, 1996, Vail, CO.

318. "How to Prevent the Failure of Total Knee Prostheses" C.J. Lavernia. Presented at the 1995 Current Concepts in Knee & Shoulder Arthroscopy, Total Joint Replacement, and Major Reconstructive Trauma Surgery Mtg. November - December 1995, Coral Gables, FL.

319. "Manejo de la Artroplastia de Cadera Infectada" C.J. Lavernia. Presented at El Congreso Nacional de Ortopedia y Traumatología, AMOT, October 1995, Tijuana, México.

320. "Resultados de la Artroplastia de Cadera" C.J. Lavernia. Presented at El Congreso Nacional de Ortopedia y Traumatología, AMOT, October 1995, Tijuana, México.

321. "Artroplastia Total de Cadera en Pacientes Jóvenes: Cementada vs. No Cementada" C.J. Lavernia. Presented at El Congreso Nacional de Ortopedia y Traumatología, AMOT, October 1995, Tijuana, México.

322. "Avascular Necrosis: An Orthopaedic Approach" C.J. Lavernia. Presented at the Systemic Lupus Erythematosus program, Division of Arthritis, Department of Medicine, University of Miami School of Medicine & the Lupus Foundation of America, Inc., Southeast Florida Chapter, September 1995, Ft. Lauderdale, FL.

323. "Medical and Surgical Mgmt. of Patients with Osteoarthritis of the Hip" C.J. Lavernia. Presented at the Department of Medicine Conference, Cedars Medical Center, June 5, 1996, Miami, FL.

324. "The Issues of the Cost of the Parts vs. Labor" C.J. Lavernia. Presented at the Reconstructive Surgery of the Hip and Knee Course, March 1995, Telluride, CO.

INVITED GUEST LECTURES *(Continued)*

325. "Polyethylene Wear in Autopsy Retrieved Fully Functional Total Knee Replacements" C.J. Lavernia. Presented at the Outcomes in Orthopaedics Results Oriented Healthcare, March 1995, Olympic Valley, CA.

326. "Economic and Technology Issues in Total Joint Arthroplasty" C.J. Lavernia. Presented at the Outcomes in Orthopaedics: Results Oriented Healthcare, March 1995, Olympic Valley, CA.

327. "A PC Based Image Capture/Demographic Database for Outcome Studies in Arthroplasty Surgery" C.J. Lavernia. Presented at the Primary Total Hip Replacement: Concepts & Demonstration of Techniques conference, Anderson Orthopaedic Clinic, February 1995, Arlington, VA.

328. "Polyethylene Wear in Autopsy Retrieved Fully Functional Total Knee Replacement" C.J. Lavernia. Presented at the Primary Total Hip Replacement: Concepts & Demonstration of Techniques conference, Anderson Orthopaedic Clinic, February 1995, Arlington, VA.

329. "Silent Osteolysis: Polyethylene Debris in Cementless Total Hip Replacement" C.J. Lavernia. Presented at the Primary Total Hip Replacement: Concepts & Demonstration of Techniques conference, Anderson Orthopaedic Clinic, February 1995, Arlington, VA.

330. "State of the Art in Total Knee Replacement" C.J. Lavernia. Presented at the Primary Total Hip Replacement: Concepts & Demonstration of Techniques conference, Anderson Orthopaedic Clinic, February 1995, Arlington, VA.

331. "Total Hip Replacement: A Current Perspective" C.J. Lavernia. Presented at the Primary Total Hip Replacement: Concepts & Demonstration of Techniques conference, Anderson Orthopaedic Clinic, February 1995, Arlington, VA.

332. "Quality and Manufacturing in Orthopaedic Implants" C.J. Lavernia. Invited talk. Columbia/HCA Orthopaedic Advisory Panel, January 1995, Atlanta, GA.

333. "How to Deal with the Failed Cementless Implant" C.J. Lavernia. Presented at the 1995 Current Concepts in Knee & Shoulder Arthroscopy, Total Joint Replacement, and Major

334. "Hip Osteoarthritis" C.J. Lavernia. Presented at the Brains & Bones: Journey to Rehab Seminar, Jackson Memorial Hospital, October 1994, Miami, FL.

335. "Conceptos Modernos en Materiales de Ortopedia" C.J. Lavernia. Sociedad Venezolana de Cirugía Ortopédica y Traumatología, April 1994, Maracaibo, Venezuela.

INVITED GUEST LECTURES *(Continued)*

336. “Artroplastia de Cadera” C.J. Lavernia. Sociedad Venezolana de Cirugía Ortopédica y Traumatología, April 1994, Maracaibo, Venezuela.

337. “Interface Mechanics” C.J. Lavernia. Presented at the University of Colorado Hip and Knee Steamboat Course, January 1994, Steamboat Springs, CO.

338. “A P.C. Based Image Capture/Demographic Database for Outcome Studies in Arthroplasty Surgery” C.J. Lavernia. Presented at the Total Hip and Knee Arthroplasty: Current Status Mtg., July 1994, Amelia Island, Florida.

339. “Mechanical Characterization of the Clinically Successful Retrieved TKA: Biological vs. Cemented Fixation” C.J. Lavernia. Presented at the Total Hip and Knee Arthroplasty: Current Status Mtg., July 1994, Amelia Island, FL.

340. “Osteoarthritis” C.J. Lavernia. Cuban Medical Association, July 1994, Miami, FL.

341. “Cost Analysis for Total Joint Replacement” C.J. Lavernia. Presented at the Medical Staff Meeting in North Broward Medical Center, December 1993, Pompano Beach, FL.

342. “A Computerized Data Acquisition System” C.J. Lavernia. Presented at the Harvard Medical School 23rd Annual Course, September/October 1993, Cambridge, MA.

343. “Mechanical Properties and Biocompatibility of Implantable Materials” C.J. Lavernia. Presented at the Larkin General Hospital Podiatric Residency Program, January 1993, Miami, FL.

344. “Advancements in Hip Surgery” C.J. Lavernia. Presented at North Shore Medical Center, September 1993, Miami, FL.

345. “Science of Osteolysis" C.J. Lavernia. Presented at the Arthritis of the Hip and Knee: Practical Surgical Management for the 1990's. Total Joint Symposium IV - Osteolysis/Wear Debris, 1993, Vail, CO.

346. “Cost Analysis of Joint Replacement" C.J. Lavernia. Orthopaedic Consideration for the Hip and Knee, October 1992, Orlando, FL.

347. “Silent Osteolysis around THR" C.J. Lavernia. Orthopaedic Considerations for the Hip and Knee, October 1992, Orlando, FL.

348. “Silent Osteolysis in Total Hips" C.J. Lavernia. Presented at the Regional Hip and Knee Course, October 1992, Vail, CO.

INVITED GUEST LECTURES *(Continued)*

349. “Arthritis" C.J. Lavernia. Presented at the Orthopaedic Nursing Issues in Orthopaedics, October 1992, Miami, FL.

350. Cost Panel Discussion. Regional Hip and Knee Course. October 1992, Vail, CO.

351. “Implant Retrieval and Analysis: 250 Internal Fixation Devices - A Clinical Correlation” C.J. Lavernia and S.D. Cook. Presented at Richards Med. Residents Conference, 1986, Memphis, TN.

352. “Surface Replacement of Hip: Biomechanical Aspects” C.J. Lavernia and S.D. Cook. Presented at the So. Med. Assoc. Residents Conference, 1985, Orlando, FL.

353. “The Effects of Elastic Modulus and the Presence of PMMA on Surface Arthroplasty” C.J. Lavernia and S.D. Cook. Presented at the Richards Medical Residents Conference, 1985, Memphis, TN.

354. “Recent Advances in Orthopaedic Materials” C.J. Lavernia. Presented at the Department of Physical Medicine and Rehabilitation, University District Hospital, February 1984, San Juan, PR.

355. “A Comprehensive Review of Biomaterials” C.J. Lavernia. Orthopaedic Section, Department of Surgery, University of Puerto Rico, School of Medicine, October 1983.

356. “Pathophysiology of Fracture Healing” C.J. Lavernia. Department of Physiology and Biophysics, University of Puerto Rico, School of Medicine, October 1983.

357. “Engineering Design Criteria in Hard Tissue Prosthetic Design” C.J. Lavernia. University of Puerto Rico, School of Engineering, February 1983, Mayaguez, PR.

358. “Bioengineering” C.J. Lavernia. U.S. Army Jr. Science Technical Meeting University of Puerto Rico, School of Education, January 1983, San Juan, PR.

359. “Hard Tissue Physiology” C.J. Lavernia. Department of Anatomy, November 1982, University of Puerto Rico, School of Medicine.

360. “An Introduction to Biomechanics for Orthopaedic Surgeons” C.J. Lavernia. Invited Short Course (6 hours) Orthopaedic Section, Department of Surgery, March - May 1982, University of Puerto Rico, School of Medicine.

361. “Strain Measuring Systems in Biological Materials” C.J. Lavernia. Presented at the First Regional Resident Forum, 1982, San Juan, PR.

INVITED GUEST LECTURES *(Continued)*

362. "Careers in Biomedical Engineering" C.J. Lavernia. Invited Seminar, Dominican College, March 1981, New Orleans, LA.

363. "Engineering in Biology" C.J. Lavernia. Invited Seminar, Dominican College, January 1981, New Orleans, LA.

364. "Biomedical Engineering" C.J. Lavernia. Xavier University, October 1980, New Orleans, LA.

365. "Applications of Engineering Mechanics to the Design of Prosthetic Devices" C.J. Lavernia. Interamerican University, July 1980, San Juan, PR.

366. "Chemical and Physical Consideration in Orthopaedic and Dental Implant Design" C.J. Lavernia. Xavier University, February 1979, New Orleans, LA.

GRAND ROUNDS

1. "Robotics in Orthopedics" Presented via Zoom to the Department of Biomedical Engineering at the Florida International University October 1, 2021.

2. "Mechanical Navigation in Knee Replacement" Presented via Zoom to the Department of Biomedical Engineering at the University of Miami, October 15, 2020.

3. "Biomaterials" Presented via Zoom to the Department of Biomaterials at Tulane University School of Medicine, October 6, 2020.

4. "Robotics in arthroplasty of the Hip and Knee" Presented at the Grounds Rounds at Mercy Hospital, November 14, 2019.

5. "Trunnionosis in Total Hip Arthroplasty" Presented at the Department of Mechanical and Materials Engineering at Florida International University, Miami, October 13, 2017.

6. "Appropriate Use Criteria: Are We Hurting Our Patients by Too Much Conservative Care? When to Offer a Patient A Knee or Hip Replacement?" Presented at the Grand Rounds at Mercy Hospital, Miami, September 28, 2017.

7. "Trumpcare, The Good, The Bad and The Ugly" Presented at the Grand Rounds at the Cleveland Clinic, May 10, 2017.

8. "Quality in Arthroplasty: Are We Fooling Ourselves?" Presented at the Grand Rounds at the University of Florida Gainesville, Orthopaedics and Sports Medicine Institute, November 3, 2016.

GRAND ROUNDS *(Continued)*

9. "The Effects of Elastic Moduli on Primary THA: A Clinical and Radiographic Follow-up" Presented at the Grand Rounds at the University of Miami, Miller School of Medicine, September 22, 2016

10. "Appropriate Use Criteria: Are We Hurting Our Patients by Too Much Conservative Care?" Presented at the Grand Rounds at the University of Miami, Miller School of Medicine, May 21, 2015.

11. "Navigation and Robotics." Presented at the Grand Rounds at the Center for Advanced Orthopedics at Larkin, South Miami, January 30, 2015

12. "How Can a Robot Help you Get Back on Your Feet Faster?" Presented at the Ground Rounds at The Biltmore Hotel, Coral Gables, October 1, 2014.

13. "The Beauty of Medicine" Presented at the Grand Rounds at Larkin Community Hospital, July 25, 2014

14. "Conservative Management of Osteoarthritis of the Knee: When Should You Call the Surgeon?" Presented at the Grand Rounds at the University of Miami Jackson Memorial Hospital Family Medicine Residency Program, June 4, 2014.

15. "Economics of Medicine General Principles". Presented at the Grand Rounds at Larkin Community Hospital Graduate Medical Education Department, Part I March 19, 2014, Part II April 23, 2014. Part III May 21, 2014

16. "Alcohol Consumption and Patient Perceived Outcomes (TKA)". Presented at the Grand Rounds at Larkin Community Hospital, April 12, 2013.

17. "Readmissions in THR: A Quality Parameter?" C.J. Lavernia. Presented at the Grand Rounds at the University of Miami Miller School of Medicine, February 14, 2013.

18. "Appropriate Use Criteria: Medicare Audits in Arthroplasty Surgery." Presented at the Grand Rounds at Mercy Hospital, October 18, 2012.

19. "Readmissions in THR: A Quality Parameter" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, October 4, 2012.

20. "Arthroplasty Surgery and Alcohol Use: Risk or Benefit" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, February 2, 2012.

21. "Arthroplasty Surgery and Alcohol Use: Risk or Benefit" C.J. Lavernia. Presented at the Grand Rounds at the University of Miami, December 15, 2011.

GRAND ROUNDS *(Continued)*

22. "Metrologically Validated Outcome Instruments and Physical Performance in Total Knee Arthroplasty" C.J. Lavernia. Presented at the Grand Rounds at University of Miami, March 24, 2011.

23. "Recent Advances in Total Hip Arthroplasty" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, January 20, 2011.

24. "Recent Advances in Total Hip Arthroplasty" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, October 21, 2010.

25. "Ethnic and Racial Patient Factors Influencing Outcomes Following Joint Replacement" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds at Mercy Hospital, May 4, 2010.

26. "Health Care Reform: The Good, the Bad and the Ugly" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, October 28, 2009.

27. "Health Care Reform: The Good, the Bad and the Ugly" C.J. Lavernia. Presented at the Ground Rounds at University of Miami, October 29, 2009.

28. "Health Policy Environment: Surgeon Reimbursement" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, January 14, 2009.

29. "Racial, Ethnic and Gender Disparities in Orthopaedic Outcomes" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, March 4, 2009.

30. "Avascular Necrosis of the Hip: Diagnosis and Treatment" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds, University of Miami, October 23, 2008.

31. "Oncogenesis in Arthroplasty" C.J. Lavernia. Presented at the Grand Rounds at Mercy Hospital, June 4, 2008, Miami, FL.

32. "Complications in Arthroplasty 2" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, November 27, 2007, Miami, FL.

33. "Complications in Arthroplasty" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, November 6, 2007, Miami, FL.

34. "Health Policy Environment-Surgeon Reimbursement" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds, University of Miami, September 13, 2007.

35. "Common Errors in TKR" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, August 14, 2007, Miami, FL.

36. "Biomaterials (Part II)" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, April 10, 2007, Miami, FL.

GRAND ROUNDS *(Continued)*

37. "Biomaterials" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, March 27, 2007, Miami, FL.

38. "Osteolysis" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, October 31, 2006, Miami, FL.

39. "Severity of Illness in X-rays and Outcomes" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, September 26, 2006, Miami, FL.

40. "Treat the X-ray or Treat the Patient" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, September 19, 2006, Miami, FL.

41. "Cerebral Fat Embolism and Cognitive Dysfunction in Arthroplasty Surgery" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds, University of Miami, September 14, 2006.

42. "Navigation in Arthroplasty" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds, University of Miami, June 29, 2006, Miami, FL.

43. "Biomaterials in Ortho" C.J. Lavernia. Presented at the Orthopaedic CME at Mercy Hospital, May 30, 2006, Miami, FL.

44. "The Cost of Talent: Compensation and Liability in Orthopaedic Surgery" C.J. Lavernia. Presented at the Department of Orthopedic Surgery 12th Annual Alumni Day Symposium, Lenox Hill Hospital, May 12, 2006, Manhattan, NY.

45. "Modular Femoral Components in Revision Total Hip Arthroplasty" Presented at the Orthopaedic Grand Rounds, University of Miami, February 16, 2006, Miami, FL.

46. "Extensor Mechanism Disruption" Presented at the Orthopaedic CME at Mercy Hospital, November 22, 2005, Miami, FL.

47. "Common Errors in TKA" Presented at the Orthopaedic CME at Mercy Hospital, August 23, 2005, Miami, FL.

48. "Navigation in Arthroplasty" Presented at the Orthopaedic CME at Mercy Hospital, June 14, 2005, Miami, FL.

49. Compensation in Orthopaedic Surgery "The Resource Based Relative Value Scale" Presented at the Orthopaedic CME at Mercy Hospital, May 17, 2005, Miami, FL.

50. "Radiographic Wear in THA" Presented at the Orthopaedic CME at Mercy Hospital, April 19, 2005, Miami, FL.

51. "Economics of Reimbursement in Orthopaedic Surgery" Presented at the Orthopaedic CME at Mercy Hospital, April 5, 2005, Miami, FL.

GRAND ROUNDS *(Continued)*

52. "Thigh Pain in Cementless Arthroplasty of the Hip" Presented at the University of Miami, March 31, 2005, Miami, FL.

53. "Biomaterials" Presented at the Orthopaedic CME at Mercy Hospital, January 4, 2005, Miami, FL.

54. "Case Presentation" Presented at the Orthopaedic CME at Mercy Hospital, November 16, 2004, Miami, FL.

55. "Thigh Pain in Total Hip Arthroplasty" Presented at the Orthopaedic CME at Mercy Hospital, October 26, 2004, Miami, FL.

56. "The Cost of Talent" Economics of Specialty care. Presented at the Rothman Institute, October 14, 2004, Philadelphia, PA.

57. "Complications in Arthroplasty" Presented at the Orthopaedic CME at Mercy Hospital, September 14, 2004, Miami, FL.

58. "CR vs. PCS Total Knee Arthroplasty" Presented at the Orthopaedic CME at Mercy Hospital, September 7, 2004, Miami, FL.

59. "The Mini TKR: Fad or Fact" Presented at the Orthopaedic CME at Mercy Hospital, June 15, 2004, Miami, FL.

60. "Hi Flex Knee Design" Presented at the Orthopaedic CME at Mercy Hospital, May 18, 2004, Miami, FL.

61. "Mechanics of Orthopaedic Materials in Joint Replacement Surgery" C.J. Lavernia. Presented to the BME 335 Class, MCA Bldg., University of Miami, March 8, 2001, Miami, FL.

62. "Ceramics in Orthopaedics" Presented to the BME 335 Class, MCA Bldg., University of Miami, October 26, 2000, Miami, FL.

63. "Joint Arthroplasties" Presented to Physical Therapy Students, Plummer Bldg., Coral Gables Campus, University of Miami, October 23, 2000, Miami, FL.

GRAND ROUNDS *(Continued)*

64. "Surgical Anatomy of Joint Replacement: Introduction to Medical Students" C.J. Lavernia. Lecture presented to the Cell Biology and Anatomy students, Rosenstiel Building, University of Miami School of Medicine, October 4, 2000, Miami, FL.

65. "Ortho Trauma Devices - 2" Presented at a BME 502 Class, University of Miami, April 12, 2000, Miami, FL.

66. "Ortho Trauma Devices - 1" Presented at a BME 502 Class, University of Miami, April 5, 2000, Miami, FL.

67. "The Cost of Teaching Total Knee Arthroplasty to Orthopaedic Surgery Residents" C.J. Lavernia. Grand Rounds Presentation as Visiting Professor to the Department of Orthopaedic Surgery at Thomas Jefferson University Hospital, January 13, 2000, Philadelphia, PA.

68. "Leg Length Discrepancy in Total Hip Replacement" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds, University of Miami, October 1999, Miami, FL.

69. "Osteoarthritis of the Knee: Medical and Surgical Treatments" C.J. Lavernia. Presented at the Grand Rounds for the Department of Medicine, University of Miami, April 15, 1998, Miami, FL.

70. "Revision Hip and Knee Arthroplasty" C.J. Lavernia. Presented at DePuy's Revision Hip and Knee Arthroplasty CME course, October 23 - 24, 1998, Miami, FL.

71. "State of the Art in TKR" C.J. Lavernia. Presented at the Dept. of Family Medicine & Community Health, Grand Rounds Lecture Series, Jackson Memorial Hospital, April 2, 1997, Miami, FL.

72. "Economics of Specialty Care" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds Lecture Series, University of Miami School of Medicine, December 12, 1996, Miami, FL.

73. "Taper Technology" C.J. Lavernia. Presented at the Orthopaedic Grand Rounds Lecture Series, University of Miami School of Medicine, October 17, 1996, Miami, FL.

74. "The Issues of the Cost of the Parts vs. Labor in Arthroplasty Surgery" C.J. Lavernia. Presented at the Dept. of Orthopaedic Surgery, Grand Rounds Resident Lectures, University of California, Irvine, September 11, 1996, Orange County, CA.

75. "Computers in Orthopaedics" C.J. Lavernia. Presented at the Dept. of Orthopaedic Surgery, Grand Rounds, Medical College of Ohio, September 1994, Toledo, Ohio.

76. "Biomaterials" C.J. Lavernia. Division of Orthopaedic Surgery, UCSD Medical Center, Instructional Lectures 1989, San Diego, CA.

PATENTS AND PATENT APPLICATIONS

1. Tibial Implant Components. Mako Surgical Corp. C.J. Lavernia. Patent No. D 905.246. December 15, 2020.

2. Tibial Implant Components. Mako Surgical Corp. C.J. Lavernia. Patent No. D 854,157. July 16, 2019

3. Femoral Implant Component. Mako Surgical Corp. C.J. Lavernia. Patent No. D 849,945. May 28, 2019.

4. Tibial Baseplate. Mako Surgical Corp. C.J. Lavernia. Patent No. D 841,810. February 26, 2019.

5. Tibial Implant Components. Mako Surgical Corp. C.J. Lavernia. Patent No. D 745,158. December 8, 2015

6. Tibial Baseplate. Mako Surgical Corp. C.J. Lavernia Patent No. D 744,103. November 24, 2015.

7. Femoral Implant Components. Mako Surgical Corp. C.J. Lavernia. Patent No. D 744,104. November 24, 2015

8. Display Device or Portion Thereof with Graphical User Interface. Mako Surgical Corp. C.J. Lavernia. Patent No. D 692,916. November 5, 2013.

CHAIRMAN, THESIS COMMITTEE

Jose A. Rodriguez: "Bone Mineral Density in Clinically Successful Autopsy Retrieved Total Knee Replacements and Fully Functional Anatomic Knees"- M.S. Biomedical Engineering, Graduated: December 1997.

Valerie Franz: "Pathological Effects on Location of the Center of Rotation of the Hip"- PhD Biomedical Engineering, Graduated: July 1999.

Chirag Patel: "Vibration Arthrography to Determine Knee Prosthesis Wear"
Graduated: May 2000.

COURSE CHAIRMANSHIP

2024	Faculty, CCJR "Lets Talk Hip and Knees in Spanish", Orlando, Fl
2023	Faculty, CCJR "Lets Talk Hip and Knees in Spanish", Orlando, Fl
2022	Faculty, CCJR "Lets Talk Hip and Knees in Spanish", Orlando FL
2006	Course Director, Vail Orthopaedic Symposium "The Economics of Arthroplasty: A Chronicle of Survival", Vail, CO
2003 – 2005	Course Director, International Arthroplasty Symposium, Miami, FL
2003 – 2004	Course Director, International Arthroplasty Symposium Presented at Valle Nevado, Santiago, Chile
2002 - 2004	Annual Vail Latin American Orthopaedic Symposium, Vail, CO
2002	Co-Chairman, Asociación Guatemalteca de Ortopedia y Traumatología/ American Academy of Orthopaedic Surgeons, Guatemala City, Guatemala
2001 – 2002	Co-Director, International Arthroplasty Symposium, Miami, FL
2000	Program Chairman, Florida Orthopaedic Society Annual Meeting

COMMUNITY SERVICE ACTIVITIES

"Operation Walk USA" Founding Board Member 2012
(Mission Work: Joint Replacement surgeries performed in underdeveloped countries)

January 24, 2025	Miami, Florida
July 28, 2023	Miami, Florida
January 12-17, 2020	Dominican Republic
January 10-17, 2019	Dominican Republic
August 18-22, 2018	Guatemala
November 13-17, 2016	Havana, Cuba
October 12-15,2016	San Pedro Sula, Honduras
December 8, 2015	Miami, Florida
November 11-15, 2015	Havana, Cuba
June 21-24, 2015	San Pedro Sula, Honduras
December 6, 2014	Miami, Florida
September 6-13, 2014	Guatemala
December 8, 2013	Miami, Florida
September 21-25, 2013	Guatemala
October 20-24, 2012	El Salvador
December 2-3, 2011	Miami, Florida
September 25-28, 2011	Panama
August 20-25, 2010	Guatemala
August 21-26, 2009	Guatemala
April 18 - 24, 2006	Panama
November 7 - 10, 2005	Panama
March 13 - 17, 2005	El Salvador
November 7 - 9, 2004	Guatemala

COMMUNITY SERVICE ACTIVITIES (*Continued*)

May 31 - June 5, 2003	Peru
November 2 - 8, 2003	Nicaragua
November 4 - 7, 2002	México
June 5 - 10, 2000	Cuba