



Richard A. Hynes, M.D., F.A.C.S.

Curriculum Vitae

- Medical Licensure** Florida Medical License since 1992
- Board Certification** Diplomate, American Board of Orthopaedic Surgery
Recertification 2024
- Diplomate, American Board of Spine Surgeons
Recertification 2023
- Education**
- 08/1989 - 07/1990 Harvard University, Beth Israel Hospital, Departments of Orthopaedics and Neurosurgery, Boston Massachusetts Fellowship Spine Surgery
- 07/1985 - 06/1989 Tripler Army Medical Center, University of Hawaii, Honolulu, Hawaii Orthopaedic Residency
- 07/1983 – 06/1984 Tripler Army Medical Center General Surgery Internship
- 08/1979 - 05/1983 Rutgers Medical School, University of Medicine and Dentistry Robert Wood Johnson School of Medicine Piscataway, New Jersey M.D. Degree
- 08/1976 - 05/1978 The American University, Washington, D.C. Degree: M.S. (Biology), Major: (Physiology)
- 08/1971 - 05/1975 Rutgers – The State University Camden, New Jersey Degree: B.A. (Biology), (Philosophy)

Experience

04/2022 – Present Spine Surgeon, Health First Medical Group, Melbourne, FL

11/1992 - Present Spine Surgeon, The B.A.C.K. Center,
Melbourne, Florida

12/1991 - 11/1992 Eisenhower Army Medical Center, Orthopaedic Service,
Fort Gordon, Georgia, Chief, Spine Service

07/1990 - 12/1991 Letterman Medical Center, Department of Orthopaedic Surgery,
San Francisco, California, Chief, Spine Service,
Assistant Chief, Orthopaedics

Positions Held

1/2019 – 12/2021 Director of Spine Excellence
Melbourne Regional Medical Center, Melbourne, Florida

1/2010 - Present Immediate Past President of Medical Staff
Holmes Regional Medical Center, Melbourne, Florida

1/2008 – 1/2010 President and Chairman of Medical Executive Committee,
Holmes Regional Medical Center Melbourne, Florida

3/1996 - Present President, Brevard Orthopaedic Spine and Pain Clinic, Inc. dba
The B.A.C.K. Center, Melbourne, Florida

1/1997 – 1/1999 Chief of the Department of Surgery, Holmes Regional Medical Center,
Melbourne, Florida

1/1997 – 1/1999 Chief and Founding Member of the Department of Orthopaedic Surgery,
Holmes Regional Medical Center, Melbourne, Florida

Clinical Appointments

9/2010 - Present Assistant Professor, College of Medicine, University of Central Florida

7/2007 University Research Professor, College of Engineering,
Florida Institute of Technology

1/2000 Co-Clinical Assistant Professor, University of Florida

7/1990 Uniformed Services University of the Health Sciences,
F. Edward Hebert School of Medicine,
Bethesda, Maryland, Adjunct Assistant Professor of
Surgery

8/1989 – 7/1990 Instructor Orthopaedic Surgery, Harvard University

Professional Organizations

Diplomate	American Board of Orthopaedic Surgery
Diplomate	American Board of Spine Surgeons
Fellow	American College of Spine Surgeon
Fellow	The American Academy of Orthopaedic Surgeons
Fellow	American College of Surgeons
Diplomate	National Board of Examinees
Diplomate	North American Spine Society
Member	Scoliosis Research Society
Member	Society for Minimally Invasive Spine Surgery
Member	Spine Arthroplasty Society
Member	Clinical Spine Research Society
Member (I)	Society of Military Orthopaedic Surgeons
Member	American Medical Association

Publications

Sumihisa Orita, Yasuhiro Shiga, Kazuhide Inage, Yawara Eguchi, Satoshi Maki, Takeo Furuya, Yasuchika Aoki, Masashiro Inoue, **Richard A. Hynes**, Masao Koda, Hiroshi Takahashi, Tsutomu Akazawa, Junichi Nakamura, Shigeo Hagiwara, Gen Inoue, Masayuki, Shunsuke Fujibayashi, Takahiro Iida, Ypshihisa Kotani, Masato Tanaka, Takao Nakajima, Seiji Ohtori. Technical and Conceptual Review on the L5-S1 Oblique Lateral Interbody Fusion Surgery (OLIF51). SSRR 2021 Jan 27;5(1): 1-9 dx.doi.org/10.22603/ssrr.2020-0086

Kotheeranurak V, Singhatanadgige W, Ratanakornphan C, Yingsakmongkol W, **Hynes RA**, Limthongkul W. *Neutral Hip Position for the Oblique Lumbar Interbody Fusion (OLIF) Approach Increases the Retroperitoneal Oblique Corridor*. BMC Musculoskelet Disord. 2020 Aug 31;21(1):583.

Davis M, Jenkins S, Bordes S, Iwanaga J, Loukas M, Uribe J, **Hynes RA**, Tubbs RS. *Iliolumbar Vein: Anatomy and Surgical Importance During Lateral Transpsoas and Oblique Approaches to Lumbar Spine*. World Neurosurg. 2019 Aug;

Orita S, Nakajima T, Konno K, Inage K, Sainoh T, Fujimoto K, Sato J, Shiga Y, Kanamoto H, Abe K, Inoue M, Kinoshita H, Norimoto M, Umimura T, Aoki Y, Nakamura J, Matsuura Y, Kubota G, Eguchi Y, **Hynes RA**, Akazawa T, Suzuki M, Takahashi K, Ohtori S. *Salvage Strategy for Failed Spinal Fusion Surgery Using Lumbar Lateral Interbody Fusion technique: A Technical Note*. Spine Surg Relat Res. 2018 Jan 27

Keitaro Matsukawa, MD, Yoshiyuki Tato, MD, **Richard A. Hynes, MD**, Hideaki Imabayashi, MD, Naobumi Hosogane, MD, Yasuo Yoshihara, MD, Takashi Asazuma, MD, Koichi Nemoto, MD, *Comparison of Pedicle Screw Fixation Strength Among Different Transpedicular Trajectories: A Finite Element Study*. Clin Spine Surg 2017;30:301-307, Vol 30, No 7, Aug 2017

Keitaro Matsukawa, MD, Yoshiyuki Tato, MD, **Richard A. Hynes, MD**, Hideaki Imabayashi, MD, Naobumi Hosogane, MD, Takashi Asazuma, MD, Toshiyasu Matsui, PhD, Yasushi Kobayashi, MD, Koichi Nemoto, MD, *Cortical Bone Trajectory for Thoracic Pedicle Screws: A Technical Note*, Clin Spine Sur 2017;30:E497-E504, Vol 30, No 5, June 2017

Kamal R.M. Woods, MD, James B. Billys, MD, **Richard A. Hynes, MD**, *Technical Description of Oblique Lateral Interbody Fusion at L1-L5 (OLIF25) and L5-S1 (OLIF51) and Evaluation of Complication and Fusion Rate*. The Spine Journal 2017, Apr;17(4):535- 553. doi: 10.1016/j.jspinee.2016.10.026. Epub 2016 Nov 21.

Koki Abe, MD, Sumihisa Orita, MD, MS, PhD, Chikato Mannoji, MD, PhD, Hiroyuki Motegi, MD, PhD, Masaaki Aramomi, MD, PhD, Tetsuhiro Ishikawa, MD, PhD, Toshiaki Kotani, MD, PhD, Tsutomu Akazawa, MD, PhD, Tatsuo Morinaga, MD, PhD, Takayuki Fujiyoshi, MD, PhD, Fumio Hasue, MD, PhD, Masatsune Yamagata, MD, PhD, Mitsuhiro Hashimoto, MD, PhD, Tomonori Yamauchi, MD, PhD, Yawara Eguchi, MD., PhD, Munetaka Suzuki, MD, PhD, Eiji Hanaoka, MD, PhD, Kazuhide Inage, MD, PhD, Jun Sato, MD, Kazuki Fujimoto, MD, Yasuhiro Shiga, MD, Hirohito Kanamoto, MD, Kazuyo Yamauchi, MD, PhD, Junichi Nakamura, MD, PhD, Takane Suzuki, MD, PhD, **Richard A. Hynes, MD**, Yasuchika Aoki, MD, PhD, Kazuhisa Takahashi, MD, PhD, and Seiji Ohtori, MD, PhD, *Perioperative Complications in 155 Patients Who Underwent Oblique Lateral Interbody Fusion Surgery*, Spine Journal., Vol 42, No1, January 2017

Matsukawa K, Yato Y, **Hynes R**, Imabayashi H, Hasogane N, Asazuma T, Toshiyashu M, Kobayashi Y, Nemoto K, *Cortical Bone Trajectory for Thoracic Pedicle Screws: A Technical Note*, Clinical Spine Surgery 2016, Jun 20.

Orita, S., Inage, K., Kubota, G., Sainoh, T., Sato, J., Fujimoto, K., Shiga, Y., Nakamura, J., Matsuura, Y., Eguchi, Y., Aoki, Y., Toyone, T., Yamauchi, K., Sakuma, Y., Oikawa, Y., Suzuki, T., Takahashi, K., **Hynes, R.A.**, Ohtori, S., *One-Year Prospective Evaluation of the Technique of Percutaneous Cortical Bone Trajectory Spondylodesis in Comparison with Percutaneous Pedicle Screw Fixation: A Preliminary Report with Technical Note*, J. Neurol Surg A Cent Eur Neurosurg., March 2016, PMID: 27023825

Matsukawa, K., Yato, Y., **Hynes, Richard A.**, Imbayashi, H., Hosogane, N., Asazuma, T., Toshiyasu, M., Kobayashi, Y., Nemoto, K., *Cortical Bone Trajectory for Thoracic Pedicle Screws: A Technique Note*, J. Spinal Disorders-Techniques, July 2014

R.A. Hynes, MD, R.G. Watkins, III, R.G. Watkins, IV(eds), *Surgical Approaches to the Spine, Chapter 35 - Oblique Lateral Retroperitoneal Approach to L5-S1*, DOI: 10.1007/978-1-4939-2465-3_34, Springer, New York 2015

R.A. Hynes, MD, R.G. Watkins, III, R.G. Watkins, IV(eds), *Surgical Approaches to the Spine, Chapter 34 - Oblique Lateral Approach to the Lumbar spine (L2-L5)*, DOI: 10.1007/978-1-4939-2465-3_35, 2015, Springer, New York 2015

Davis, Timothy T., **Hynes, Richard A.**, Fung, Daniel A., Spann, Scott W., MacMillan, Michael, Kwon, Brian, Liu, John, Acosta, Frank, Drochner, Thomas, *Retroperitoneal Oblique Corridor to the L2-S1 Intervertebral Discs in the Lateral Position*. Journal of Neurosurgery: Spine, Volume 21, Number 5, November 2014

Davis, T.T., **Hynes, R.**, Spann, S., MacMillan, M., Kwon, B., Liu, J., Acosta, F., Drocher, T., *Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An Anatomic Study*. ABSTRACT NO: 418-ISASS Oral Podium and Oral Poster Category, ISASS13 Conference in Vancouver, BC Canada, April 3-5, 2013

Fung, Daniel A., Davis, Timothy T., **Hynes, Richard A.**, Spann, Scott W., Mac Millan, Michael, Kwon, Brian, Liu, John C., Acosta Jr., Frank L., Drochner, Tom, *Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An Anatomic Study*. NASS Summer Meeting in Naples, Florida, July 31- August 3, 2013

Davis, T.T., **Hynes, R.A.**, Spann, S.W., MacMillan, M., Kwon, B., Liu, J., Acosta, F., Drocher, T.E., *Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: an Anatomic Study*, ABSTRACT NO: 10-A-119-SMISS Digital Poster Category for the 2012 SMISS Annual Meeting in Miami, Florida, September 21-23, 2012

Santoni, B.G., **Hynes, R.A.**, McGilvray, K.C., Rodriguez-Canessa, G., Lyons, A.S. Henson, M.A.W., Womack, W.J., Puttlitz, C.M. *Cortical Bone Trajectory for Lumbar Pedicle Screws*, The Spine Journal, Volume 9, Issue 5, 366-373, May 2009

Hynes, R.A., Santoni, B.G., Henson, MA.W., Puttlitz, C.P., " Dense Bone Engagement in Osteoporotic Vertebra Using a Novel Pedicle Screw Trajectory Results in enhanced Fixation, ABSTRACT NO: 374 Digital Poster category for the 2008 Annual Meeting of AANS/CNS in Orlando, Florida, February 27 - March 1, 2008

Hynes, R.A., *Complications of the Lumbar Anterior Surgical Approach for Artificial Disk Replacement of the Lumbar Spine*, The Spine Journal, 5 (2005) IS-189S

Hynes, R.A., Gabriel, W.C., *Percutaneous Tendo Achilles Repair; A Long Term Follow-Up Study*, Journal of Orthopaedic Techniques, Vol. #2, 99-105, June 1993

White, A.A., III Bernhardt, M., **Hynes, R.A.**, *Cervical Spondylitic Myelopathy*, Journal of Bone and Joint Surgery, Current Concepts Review, Vol. 75, #1, 119-129, January 1993

Hynes, R.A., McCarthy, Bernhardt, M., White, A.A., III, "Radiologic Versus Pedicle Screw Placement Techniques", Orthopaedic Transactions, Vol. 15, #2, 353, 1990

Hynes, R.A., Gabriel, M.A., *Percutaneous Tendon Achilles Repair; A Ten Year Review*, Orthopaedic Transactions, Vol 13, #1, 173, 1989

Hynes, R.A., Jones, D., *Primary Idiopathic Scoliosis*, Orthopaedic Transactions, Vol 12, #1, 1988

Hynes, R.A., Romash, M., *Bilateral Symmetrical Synchondrosis of Navicular First Cuneiform Joint Presenting as a Lytic lesion*. Foot and Ankle 8, (3), 164-168, 1987

Swabb, E.A., **Hynes, R.A.**, Marnane, W.G., McNeil, J.S., Decker, R.A., Tai, Y.I., Donowitz, M., *Intestinal Filtration-Secretion Due to Increased Intraluminal Pressure in Rabbits*. American Journal of Physiology, 242, G65-G75, 1982

Swabb, E.A., **Hynes, R.A.**, Donowitz, M., *Elevated Intraluminal Pressure Alters Rabbit Small Intestinal Transport in Vivo*. American Journal of Physiology, 242, G58-64, 1982

Donowitz, M., Mathias, Formal, S., **Hynes, R.A.**, Collins, H', *Ileal Secretion Causes Choleresis in the Rabbit, A New Contributor to Diarrhea*. Gastroenterology, 86, 1221, 1979

Donowitz, M., Charney, R., **Hynes, R.A.**, Formal S., Collins, H, *Significance of Abnormal Rabbit Heat Histology in the Pathogenesis of Diarrhea*, Infectious Immunology, 26, (1), 380-386, 1979

Donowitz, M. Wickline, W. Reynolds, D., **Hynes, R.A.**, Charney, A., Zinner, M., *Effect of Altered Intestinal Water Transport on Rabbit Ileal Blood Flow*, American Journal of Physiology, 236 (4), E482-E487, 1979

Donowitz, M., Charney, A., **Hynes, R.A.**, *Propranolol Prevention of Cholera Enterotoxin-Induced Intestinal Secretion in the Rat*, Gastroenterology, 76, 482-491, 1979

Swabb, E., **Hynes, R.A.**, W., Donowitz, M., *Ileal Secretion of Water and Electrolytes Induced by Acute Elevation of Intra-laminar Hydrostatic Pressure*, Gastroenterology, 74, 1100, 1978

Presentations

OLIF and Biologics Interview. Medtronic 25 Years in China Meeting. Shanghai, China, April 2022.

The Innovative Therapy of OLIF. OLIF 10,000 Cases Meeting. Shanghai, China, April 2022

OLIF: My experience in developing the OLIF25 and OLIF51 Procedures. OLIF User Group Annual Meeting, Beijing, China, November 2021

OLIF in Management of Foraminal Stenosis and Extraforaminal Disc Herniation. Taiwan Spine Society, Taichung Veteran General Hospital, Taiwan, November 2021

Combined OLIF And Transmuscular Staged Correction Of Osteomyelitis And Discitis. Society for Minimally Invasive Spine Surgery (SMISS), Las Vegas, NV, October 2021

OLIF For Anterior Column Realignment, Society for Minimally Invasive Spine Surgery (SMISS), Las Vegas, NV, October 2021

OLIF51 Technique, Tips and Tricks. OLIF User Group Meeting - China, Shanghai, China October 2021

Anterior Cervical Discectomy and Fusion with Segmental Plates. Seattle Science Foundation – Spinal Deformity Techniques, Seattle, Washington, August 2021

OLIF – My Journey & Learnings So Far Getting It Answered: Case Discussion. ASSI-ICS Live Surgery Course, Indian Spinal Injuries Centre, August 2021

OLIF Live Demonstration Pearls and Limitations of the OLIF Procedure. Seattle Science Foundation – Advanced Lateral Surgical Techniques, Seattle, Washington

OLIF and How I Would “Solve” the Challenges of Your Next Case. International Society for Advancement of Spine Surgery (ISASS), Miami, FL, May 2021

The Benefits of Technology in the OLIF and CBT Procedures. The 50th Annual Meeting of the Japan Society for Spine Surgery and Related Research (JSSR), Kyoto, Japan, April 2021

The Evolution of Lateral Surgery - OLIF: Lessons Learned and Its Use in Maintaining Spinal Balance. Skull to Sacrum, New York, November, 2020

Why OLIF is the Best Choice. Pearls of Modern Spine Surgery Series – Making the Complex Simpler. July 2020

Increasing Intraoperative Efficiency in Circumferential Surgery: Eliminating the Flip. 2020 AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Las Vegas, Nevada, March 2020

Single Plate Fixation Prevents Pseudarthrosis in Multilevel Fusion of the Anterior Cervical Spine. International Society for the Advancement of Spine Surgery, San Juan Puerto Rico, February 2020

Pre-psoas Approaches to the Lateral Spine (OLIF). Seattle Science Foundation, Seattle, Washington, February 2020

The Evolution of OLIF. AO Spine Latin America. Sao Paulo, Brazil, August 2019

Oblique Lumbar Interbody Fusion – Rationale and Design. Miami, Florida, May 2019

The Cortical Advantage - The Inventor's Perspective. M.O.R.E. Symposium, Lugano, Switzerland, April 2019

Advanced Approaches to the Lateral Spine. South America Spine Surgeons Society, Celebration, Florida, February 2019

Strategies of the Oblique Lumbar Interbody Fusion Technique: L2/S1, Sapporo, Japan, March 2018

The History of the Cortical Bone Trajectory for Lumbar Spine, Sapporo, Japan, March 2018

The Oblique Lumbar Interbody Fusion (OLIF), Including the L5/S1 Level, Early Post-Operative Safety Profile in a Multi-Center Review. International Society for the Advancement of Spine Surgery, Toronto, Canada, February 2018

Prevention of Pseudoarthrosis in Multilevel Anterior Cervical Discectomy and Fusion (ACDF) with Individual Level Plate Fixation vs. Single Long Plate. Cervical Spine Research Society, Miami, Florida, November 2017

Oblique Lumbar Interbody Fusion and Applications for Sagittal Balance, Shanghai, China August, 2017

Complications Avoidance with the Oblique Lateral Interbody Fusion (OLIF) Approach, Seattle Science Foundation, Seattle, Washington, February 2017

Using the Oblique Lateral Interbody Fusion (OLIF) approach for Deformity Procedures, Seattle Science Foundation, Seattle, Washington, February 2017

Strategies of the Oblique Lateral Interbody Fusion (OLIF), Seattle Science Foundation, Seattle, Washington, February 2016

Oblique Lateral Interbody Fusion (OLIF) Using Femoral Nerve SSEP Monitoring, SMISS, Society for Minimally Invasive Spine Surgery, Las Vegas, Nevada, November 2015

Is Neuromonitoring Needed for Oblique Lateral Interbody Fusion (OLIF), SMISS, Society for Minimally Invasive Spine Surgery, Miami, September 2014

Oblique Lateral Interbody Fusion (OLIF) Technique and Complications in 457 Levels L1 to S1, ISASS, International Society for the Advancement of Spine Surgery, Miami, April 2014

Oblique Lateral Interbody Fusion Technique, Japan Spinal Instrumentation Society, Kochi, Japan, October 2013

Cortical Bone Trajectory Technique, Japan Spinal Instrumentation Society, Kochi, Japan, October 2013

Surgical Management of Vertebral Compression Fracture, Aging Spine Conference, Chicago, February 2007

Complications of the Lumbar Anterior Surgical Approach for Artificial Disk Replacement of the Lumbar Spine, NASS, North American Spine Society Meeting, Philadelphia, October 2005

Non-Iliac Autogenous Graft Use in Anterior Cervical Fusion, Cervical Research Society, December 2002

Medialized Pedicle Screw Technique Poster, Scoliosis Research Society, September 2001

Laparoscopic Assisted Anterior Lumbar Interbody Fusion, Central Florida Chapter, Association of Operating Room Nurses, Holmes Regional Medical Center, February 21, 2001

Successful Fusion of the Cervical Spine using Autograft Cornerstone, CSRS, Cervical Research Society 2001

Low Back Pain and Sciatica, Harvard Medical School Department of Continuing Education, Beth Israel Deaconess Medical Center, October 12-14, 2000

Management of Low Back Pain, Orthopaedic Update, Health First Orthopaedic & Spine Institute, February 18, 2000, Melbourne, Florida

Laparoscopic Spine Fusion, presented at Holmes Regional Medical Center, October 1996, Melbourne, Florida

Hands-on-Workshop Moderator, *Spinal Instrumentation-Texas Scottish Rite System*, at the Ninth Symposium of the Spine sponsored by Jefferson Medical College and The Spine Study Group, Naples, Florida, April 29, 1993

Augmentation of Sacral Segmental Fixation with Hook Fixation in S2 Pedicle, Pedicle Fixation of the Lumbar Spine Workshop Poster Section, sponsored by the Scoliosis Research Society and the North American Spine Society in Orlando, Florida, May 13-15, 1993

Percutaneous Tendoachilles Repair, A Ten Year Review, [Academy of Orthopaedic Surgeons Meeting, Poster Section and Sports Medicine Society Special Day Conference, Las Vegas, Nevada 1989

Primary Idiopathic Lumbosacral Scoliosis presented at the American Orthopaedic Association Residents Conference, Cambridge, Massachusetts, February 1988, and at the Pediatric Society of North America, May 1988

Bilateral Symmetrical Spondylosis of Navicular First Cuneiform Joint Presenting as a Lytic Lesion, Society of Military Orthopaedic Surgeons, Denver, Colorado, November 1986

