



Curriculum Vitae

Timothy McTighe, Dr. H.S.(hc)*

April 2016

Current Position

Timothy McTighe, Dr. H.S. (hc)*

Executive Director, and Chief Executive Officer

Joint Implant Surgery & Research Foundation (JISRF)(Non-Profit 501-C)

Founded in 1971 by Professor Charles O. Bechtol, MD

Mailing Address:

46 Chagrin Plaza #117, Chagrin Falls, Ohio 44022

Web Site: www.jisrf.org

Mobile: +1 (440) 785-9154

Email: tmct@jisrf.org

Reconstructive Review

Publisher & Editor-in-Chief

<http://reconstructivereview.org>

Founded in 2011



*

Received Doctorate of Humane Services, honoris causa, for lifetime works in the orthopaedic health care field by Our Lady of Holy Cross College, New Orleans, USA. Rev. Thomas Chambers, C.S.C., PhD. was President of Our Lady of Holy Cross College. (May 1998)

Joint Implant Surgery & Research Foundation (JISRF)

Timothy McTighe, Executive Director and CEO since 1991. Board Member since 1989.

Professor Charles O. Bechtol MD, after leaving UCLA in 1971, founded JISRF. His primary focus was teaching total joint reconstructive surgery. First CME activities were sanctioned by the AMA, then later by ACCME. JISRF conducted CME Activities until 1994 where focus changed to sponsoring clinical/surgical study groups.

Mission Statement for JISRF

Since it was formed in 1971, JISRF's mission has remained the same – to operate for scientific purposes by conducting research into the continuous improvements of medical and surgical methods and materials, with the ultimate goal of preserving and restoring the joints of the human body and associated structures which are threatened or impaired by defects, lesions, or diseases.

Reconstructive Review

Editor-in-Chief & Publisher since 2011.

On JISRF's 40th birthday I launched the Reconstructive Review as our next step in education and communications to the orthopaedic medical community.

JISRF is committed to bringing together all aspects of scientific endeavor for the betterment of our total joint patients. This Journal is dedicated not only to Professor Bechtol but also to the orthopaedic pioneers from all around the world.

Reconstructive Review is a free Open Access publications fully peer reviewed, currently indexed on DOA, CrossRef and Paperity. Articles and Journal are searchable in Google and Google Scholar. Additional index services are in the process of being added.

The journal is emailed out four times per year to over 10,000 surgeons and orthopaedic community personnel. The Journal is also available on five separate web sites:

1. www.JISRF.org
2. <http://reconstructivereview.org>
3. <http://icjr.net>
4. <http://apasonline.org/>
5. <http://coa.org/>

Current Professional Orthopaedic Society Membership (11)

European Hip Society

www.european-hip-society.org

June 2012

Secretary General: Martin Kisser
University Hospital of Orthopaedics,
Innsbruck, Austria
Email: ehs.krismer@uki.at

Affiliate Member: The Mid-American Orthopaedic Association

Affiliate membership shall be open to individuals whose occupations are in fields associated with, or related to, orthopedic surgery or the objectives, goals, or purposes of this Corporation. Affiliate membership may be conferred upon an individual by a three-fourths (3/4) vote of the Board of Directors.

Mid-America Orthopaedic Association

20 Second Avenue S.W. Rochester, MN 55902-3013 Phone: (507) 281-3431
Fax: (507) 281-0291 Email: midamerica@maoa.org

The International Congress for Joint Reconstruction (ICJR) Charter Member (2010)

W. Norman Scott, MD,

2007 Founding President web site: www.icjr.net

The ICJR is an independent, nonprofit organization formed to change the status quo of orthopaedic education. Our faculty is dedicated to reinventing the ways we gain knowledge that improves patient outcomes.

Profits from ICJR activities will be reinvested in the professional societies, charities, and organizations relevant to the critical issues in orthopaedics today. The goals and finances of the ICJR will be fully transparent.



Australian Orthopaedic Association
Affiliate Member (August 2005)
Ground Floor, William Bland Centre
229 Macquarie St., Sydney NSW 2000 Australia



American Association of Hip and Knee Surgeons
Affiliate Member (2005)

Committee Activities:

2009 Industry & Exhibit Committee Member
2008 Industry & Exhibits Committee Member
2007 Industry & Exhibits Committee Member
2006 Industry & Exhibits Committee Member
2005 Communications Committee Member



Shands Circle Society (1996)

Formed in 1994 to provide long-term funding for independent, peer reviewed research and education initiatives, the Shands Circle Society were OREF's first premier recognition society. Its creation honors one of OREF's founders, Alfred R. Shands Jr., MD, and recognizes the foresight and generosity of its members whose contributions form the basis for the OREF Endowment.



Osteoarthritis Research Society International
Member (2003)

OARSI is the premier international organization for scientists and health care professionals focused on the prevention and treatment of osteoarthritis through the promotion and presentation of research, education and the worldwide dissemination of new knowledge. We are the only organization with a sole focus on OA.



Orthopaedic Research Society
Member (1987)
222 South Prospect Avenue
Park Ridge, Illinois 60068



Society For Biomaterials

Member (1989)

Mission Statement:

The Society For Biomaterials is a professional society, which promotes advances in biomedical materials research and development by encouragement of cooperative educational programs, clinical applications, and professional standards in the biomaterials field. Biomaterials scientists and engineers study cells, their components, complex tissues and organs and their interactions with natural and synthetic materials and implanted prosthetic devices, as well as develop and characterize the materials used to measure, restore, and improve physiologic function, and enhance survival and quality of life.



Member (1991)

ISTA is a nonprofit organization dedicated to advancing the art and science of joint replacement around the world. Every year we host a congress where the best clinicians, engineers, researchers, and industry members from across the globe come together to present and discuss leading edge work in the field of arthroplasty.

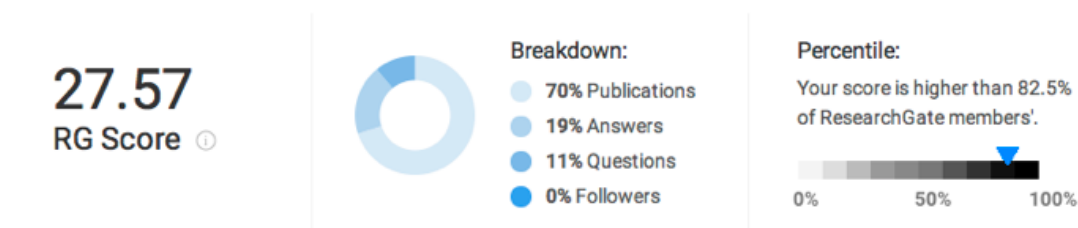


ResearchGate https://www.researchgate.net/profile/Timothy_McTighe

Member

Research & Publications Review

RG Score as of April 26, 2016	27.57
Publications	118
Reads	2,300
Citations	81
Impact Points	20.58



Breakdown on Publications (118)

Articles	54
Chapters	5 / 2 released in 2016
Conference Papers including Posters	49
Dataset	9
Full Texts	107
Posters for 2016	2

Note: All Publications can be found on two websites:

1. www.jisrf.org
2. www.researchgate.net/profile/Timothy_McTighe

Awards

April 2010	Award: Madison Who's Who Recognizes Timothy McTighe
May 2000	Award: Resolutions of Commendation from: U.S. Senator, State Senator, U.S. House of Representatives, The Ohio House Of Representatives, City of Euclid, Euclid Board of Education & Euclid Chamber of Commerce
May 2000	Award: Distinguished Achievement Hall of Fame Euclid Public Schools Alumni Association
May 1998	Award: Doctor of Humane Services, Honoris causa 56th Annual Commencement Our Lady of Holy Cross College New Orleans, Louisiana

Patents / U.S. Granted Patents
Listing Timothy McTighe as an Inventor

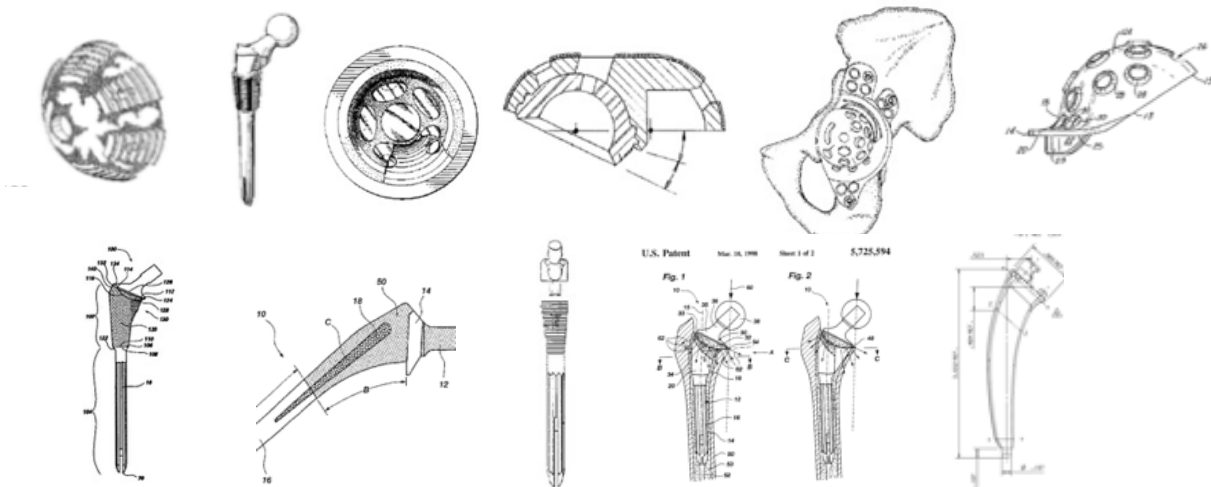
Title	Serial. No. & Filing Date	Patent No. & Issue Date
LOW STRESS ALL POLY TIBIAL COMPONENT	13/346,623 January 9, 2012	U.S. Patent No. 9,271,840 Issue Date: March 1, 2016
NECK SPARING TOTAL HIP IMPLANT SYSTEM	12/978,395 December 23, 2010	U.S. Patent No. 8,470,049 Issue Date: June 25, 2013
NECK SPARING TOTAL HIP IMPLANT METHODS	12/978,396 December 23, 2010	U.S. Patent No. 8,398,719 Issue Date: March 19, 2013
DIFFERENTIAL POROSITY PROSTHETIC HIP SYSTEM	10/244,149 September 13, 2002	U.S. Patent No. 7,323,013 Issue Date: January 29, 2008
ORTHOPAEDIC IMPLANT WITH PROXIMAL COLLAR	09/974,782 October 9, 2001	U.S. Patent No. 6,913,624 Issue Date: July 5, 2005
ORTHOPAEDIC IMPLANT WITH PROXIMAL COLLAR	09/190,423 November 12, 1998	U.S. Patent No. 6,332,896 Issue Date: December 25, 2001
ACETABULAR RING PROSTHESIS WITH REINFORCEMENTS BUTTRESS	08/727,948 October 9, 1996	U.S. Patent No. 5,931,870 Issue Date: August 3, 1999
PROXIMAL CONICAL STEM	08/600,118 February 12, 1996	U.S. Patent No. 5,725,594 Issue Date: March 10, 1998
MODULAR PROSTHESIS	08/368,040 January 3, 1995	U.S. Patent No. 5,653,765 Issue Date: August 5, 1997
SEGMENTED PROSTHETIC ARTICULATION	08/362,804 December 21, 1994	U.S. Patent No. 5,549,700 Issue Date: August 27, 1996
OBLONG ACETABULAR CUP	07/665,952 March 7, 1991	U.S. Patent No. 5,192,329 Issue Date: March 9, 1993
POROUS-COATED ARTIFICIAL JOINTS	07/402,803 September 5, 1989	U.S. Patent No. 4,944,759 Issue Date: July 31, 1990
POROUS-COATED ARTIFICIAL JOINTS	07/256,126 October 6, 1988	U.S. Patent No. 4,883,491 Issue Date: November 28, 1989

Patents / Non-U.S. Granted Patents

Listing Timothy McTighe as an Inventor

Title	Serial. No. & Filing Date	Patent No. & Issue Date
TISSUE SPARING IMPLANT	2008216615 February 19, 2008	Australian Patent No. 2008216615 Effective Date: February 19, 2008
ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS	46068/97 October 1, 1997	Australian Patent No. 1997046068 Effective Date: October 1, 1997
ACETABULAR RING PROSTHESIS WITH REINFORCEMENT BUTTRESS	PCT/US1997/017839 October 1, 1997	Canadian Patent No. 2,267,246 Issue Date: June 12, 2007
OBLONG ACETABULAR CUP	PCT/US1992/001874 March 6, 1992	Canadian Patent No. 2,104,231 Issue Date: December 21, 2004
POROUS-COATED ARTIFICIAL JOINTS	527507 January 19, 1987	Canadian Patent No. 1,290,099 Issue Date: October 8, 1991
TISSUE SPARING IMPLANT	10-2009701-9385 September 16, 2009	Korean Patent No. 10-1531940-0000 Issue Date: June 22, 2015

Illustrations of Some Patent Claims





Education

CME Activities from 1973 – May 2016

400 plus detailed list on file and available on request @ tmct@jisrf.org

AAOS Annual Meeting (Continual Attendance since 1975 to 2016 41 meetings)



United States Navy (1969-1973)

Great Lakes Hospital Medical Corp and Marine Corps Base Camp Lejeune, NC / HMS, Hospital Corpsman and Field Medicine Technician. Great Lakes, IL and Jacksonville, NC, United States Key West Naval Hospital (May 1970 - May 1972)



Our Lady of Holy Cross College

Doctorate of Humane Services, honoris causa, Lifetime works in the orthopaedic health care field. May 1998

Publications Highlights

Book Chapters (7)

Timothy McTighe and Daniel C. Allison: Chapter 33

UNDERSTANDING SHORT STEM DESIGN AND APPLICATION IN

DIRECT ANTERIOR TOTAL HIP ARTHROPLASTY. The Direct Anterior Approach to Hip Reconstruction. Currently in Production. Edited by Sonny Bal, K. Keggi and Lee Rubin. Slack Inc. 2016 release.

Daniel C. Allison and **Timothy McTighe**: ***Chapter 14***

Specialized Retraction for Direct Anterior Total Hip Arthroplasty.

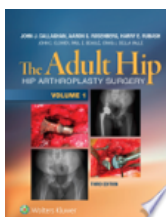
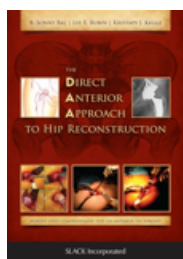
The Direct Anterior Approach to Hip Reconstruction. Currently in Production. Edited by Sonny Bal, K. Keggi and Lee Rubin. Slack Inc. 2016 release.

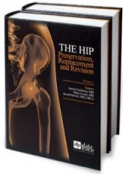
Timothy McTighe, Declan Brazil, John M. Keggi, Louis Keppler, Edward J.

McPherson: ***Short-Stem Designs for Total Hip Arthroplasty: Neck***

Stabilized Femoral Components. The Adult Hip, HIP ARTHROPLASTY

SURGERY, THIRD EDITION. Volume 1, Chapter 64, Wolters Kluwer 2015

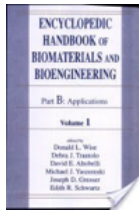




Timothy McTighe, Declan Brazil, and Warwick Bruce: ***Metallic Alloys In Total Hip Arthroplasty.*** The Hip: Preservation, Replacement, and Revision, Edited by Javad Parvizi, Nitin Goyal, James Cashman, 01/2015: Chapter 14 Metallic Alloys in Total Hip Arthroplasty: pages 14-1 to 14-12; Data Trace Publishing Company.



Lee E Rubin, Scott A. Ritterman, **Timothy McTighe**: ***Chapter 8 "Neck-Sparing" Total Hip Arthroplasty.*** Arthroplasty Update, Edited by Plamen Kinov, 03/2013: chapter "Neck-Sparing" Total Hip Arthroplasty: pages 159-182; InTech. ISBN: ISBN 978-953-51-0995-2



Timothy McTighe, Lorence W. Trick, and James B Koeneman: ***Design Considerations for Cementless Total Hip Arthroplasty.*** ENCYCLOPEDIC HANDBOOK OF BIOMATERIALS AND BIOENGINEERING, Part B: Applications Volume I 1995



K.J. Keggi, J.M. Keggi, R.E. Kennon, and **T. McTighe**: ***Ceramic on Ceramic Bearings Used with Proximal Modular Stems in THA.*** Ceramic in Orthopaedics, Bioceramics in Joint Arthroplasty, 9th Biologix® Symposium Proceedings. Chapter 1.1, Steinkopff Darmstadt

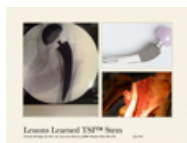
Self-Published Books (6)



Timothy McTighe: ***Lessons Learned: Tissue Sparing THA*** Mini-Symposium held prior to AAHKS 20th Annual Meeting, Friday November 5, 2010 Symposium Proceedings, Published by JISRF



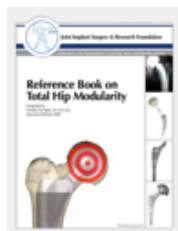
Timothy McTighe: ***TST™ - Tissue Sparing Implant, A New Approach to THA*** - August 2010 by JISRF



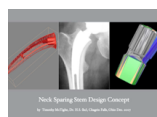
Timothy McTighe: Lessons Learned TSI™ Stem, July 2010



Timothy McTighe: Tissue Sparing Implant for THA, Design Concept & Review, JISRF 2009



Timothy McTighe: Reference Book on Total Hip Modularity, JISRF 2009 Third Edition



Timothy McTighe: Neck Sparing Stem Design Concept, JISRF 2007

Note: All can be found on www.jisrf.org

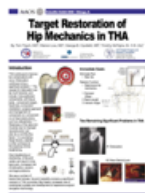
AAOS Presentations

➤ **Note: 13 AAOS presentations either as Lead Author or Co-Author**

Scientific Exhibits (8):



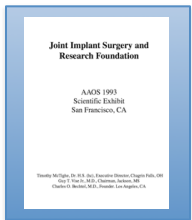
Louis Keppler, Hugh U. Cameron, and **Timothy McTighe**: The Role of Modularity in Primary THA - Is There One? AAOS Scientific Exhibit, Chicago, IL, 2006



Tom Tkach, Warren Low, George Cipolletti, **Timothy McTighe**: Target Restoration of Hip Mechanics in THA AAOS Scientific Exhibit, Chicago, IL 2006



J.D. Bobyn, J.P. Collier, M.B. Mayor, **T. McTighe**, M. Tanzer, B. K. Vaughn: Particular Debris in Total Hip Arthroplasty: Problems and Solutions
AAOS Scientific Exhibit 1993, San Francisco, CA



Timothy McTighe, Guy T. Vice, and Charles O. Bechtol: JISRF Responsibility of accredited ACCME Sponsors
AAOS Scientific Exhibit 1993, San Francisco, CA



David Mattingly, Joseph McCarthy, Benjamin Bierbaum, Hugh Chandler, Roderick Turner, Hugh Cameron, and **Timothy McTighe**: Revising The Deficient Proximal Femur
AAOS Scientific Exhibit 1991, Anaheim, CA



Hugh Cameron, Lorence Trick, Bruce Shepherd, Alan Turnbull, Douglas Noiles, and **Timothy McTighe**: An International Multi-Center on Thigh Pain in Total Hip Replacement.
AAOS Scientific Exhibit 1990, New Orleans, Louisiana



Hugh Cameron, Yung-Bok Jung, Douglas Noiles and **Timothy McTighe**: Design Features and Early Clinical Results with A Modular Proximally Fixed Low Bending Stiffness Uncemented Total Hip Replacement
AAOS Scientific Exhibit 1988, Atlanta, Georgia



Bruce D. Shepherd, Warwick Bruce, William Walter, Eugene Sherry, Hugh Cameron and **Timothy McTighe**: Difficult Hip Replacement Surgery: Problems and Solutions
AAOS Scientific Exhibit 1989, Las Vegas, NV

AAOS Poster Exhibits (5)

Laura McPherson, Edward McPherson, and **Timothy McTighe**: Cup Cage for Revision THA. AAOS Poster Exhibit 2011, San Diego, CA



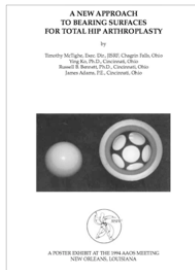
Laura McPherson, Edward McPherson, and **Timothy McTighe**: Diagnosis & Management of Hypersensitivity In the Painful THA. AAOS Poster Exhibit P128, San Diego, CA



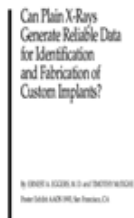
Timothy McTighe, Ian Woodgate, Allen Turnbull, John Keggi, Robert Kennon, Louis Keppler, John Harrison, Declan Brazil, Wei Wu, and Hugh Cameron: A New Approach to Neck Sparing THA Stem AAOS Poster Exhibit 32, 2008 San Francisco, CA



Timothy McTighe, Ying Ko, Russell Bennett, and James Adams: A New Approach to Bearing Surfaces for Total Hip Arthroplasty
AAOS Poster Exhibit 1994, New Orleans, Louisiana



Ernest A. Eggers and **Timothy McTighe**: Can Plain X-Rays Generate Reliable Data for Identification and Fabrication of Custom Implants? AAOS Poster Exhibit 1993, San Francisco, CA



Additional Continuing Medical Education (CME) Posters

Note: 17 CME Posters presented in 8 countries

2016 (2)



Timothy McTighe, S.D. Stulberg, Declan Brazil, John Keggi, Robert Kennon, Louis Keppler and Edward McPherson: *A Classification System for Short Stem Total Hip Arthroplasty*, 13th Meeting of the Combined Orthopaedic Associations, April 11-15, 2016, Cape Town, South Africa.



Edward McPherson, Bradley K. Vaughn, Louis Keppler, Declan Brazil, and **Timothy McTighe**: *Dislocation Rate in Using A Short-Curved Neck Preserving Stem Design With the Posterior Surgical Approach*, 13th Meeting of the Combined Orthopaedic Associations, April 11-15, 2016, Cape Town, South Africa.

2015 (1)



Timothy McTighe, Declan Brazil, John Keggi, Louis Keppler and Edward McPherson: Short Stem Designs for THA: Neck Stabilized Femoral Component E Poster ISTA, Vienna, Australia October. 2015

2014 (2)



Timothy McTighe, Declan Brazil, Adrian van der Rijit, John Keggi, Louis Keppler, Robert Kennon, Terry Clyburn, and Edward McPherson: The Science Behind a Short (Neck preserving) Curved Stem Total Hip Replacement 15th EFORT Congress Poster Exhibit 2014 London, UK

Timothy McTighe, Declan Brazil, John Keggi, S. David Stulberg, Robert Kennon, Louis Keppler, Adrian van der Rijit, and Edward McPherson: Short Stems in Total Hip Arthroplasty ICJR Poster Exhibit 2014, Hilton Waikoloa, HI

2013 (1)



John Keggi, **Timothy McTighe**, Matthew Ariyavatkul and Arthur Landry: Metal Ion Levels in a Stable Modular Junction ISTA E-Poster 2013

2012 (3)



Timothy McTighe, S. David Stulberg, John Keggi, Louis Keppler, Tony Aram, Robert Kennon, Edward McPherson and Declan Brazil: JISRF - A Classification System for Short Stem Uncemented Total Hip Arthroplasty ISTA Poster Sydney, Australia, Oct. 2012



Timothy McTighe, Tony Aram, Charles Bryant, John Keggi, Louis Keppler, Frank Schmidt, B.K. Vaughn: Neck Sparing Total Hip Arthroplasty in The Osteoporosis Patient. International Osteoporosis Foundation, Poster Exhibit 189, May 2012 San Paulo, Brazil



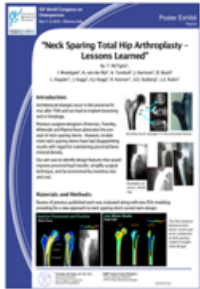
Timothy McTighe, Charles Bryant, Declan Brazil, John Keggi, Louis Keppler, Bradley K. Vaughn, Frank Schmidt, Corey Ponder: Design Rationale and Early Clinical/ Surgical Observations with a Tissue Sparing Stem for THA in Osteoarthritis
OARSI 2012 World Congress Poster Exhibit 589 Barcelona, Spain

2011 (1)



T. McTighe, C. Bryant, D. Brazil, J. Keggi, and L. Keppler: Early learning Experience with a Neck Stabilized THA Stem for Treating Osteoarthritis
OARSI 2011 World Congress Poster 301 San Diego, CA

2010 (1)



T. McTighe, I. Woodgate, A. van der Rijt, A. Turnbull, J. Harrison, D. Brazil, L. Keppler, J. Keggi, R. Kennon, S.D. Stulberg, L.E. Rubin: Neck Sparing Total Hip Arthroplasty - Lessons Learned. IOF World Congress on Osteoporosis, Poster Exhibit May 2010, Florence, Italy

2009 (1)



Louis Keppler, and **Timothy McTighe**: Case Report on Proximal Modular “Dual Press Design” Poster Exhibit 69th Australian orthopaedic Association Annual Scientific Meeting, Cairns, Queensland, October. 2009

2006 (2)



K. Keggi, J. Keggi, R. Kennon, T. Tkach, W. Low, J. Froehlich, **T. McTighe**, E. Cheal and G. Cipolletti: Within Any Important Issue, There Are Always Aspects No One Wishes to Discuss – Femoral Component Failure. ISTA October 2006 Poster Exhibit

J. Froehlich, **T. McTighe**, H.U. Cameron, K. Keggi, J. Keggi, R. Kennon and I.



Woodgate: Defining the Role of Modular Stem Designs in THA. ISTA October 2006 Poster Exhibit

2005 (1)



H. Del Schutte, Harry A. Demos, Neil Romero, and **Timothy McTighe**: Modular Stems for Revision THA New Zealand Orthopaedic Association Poster Exhibit 2005

2003 (1)



John Keggi, Kristaps Keggi, Vineet Sarin, Ed Cheal and **Timothy McTighe**: The Union of Emerging Techniques and Technologies in THA. ISTA Poster Exhibit 2003

1992 (1)



J.A. Longo, **T. McTighe**, J.B. Koeneman and R.L. Gealer: Torsional Stability of Uncemented Revision Hip Stems. Poster Exhibit ORS 1992, Washington, DC

Journal Publications (29 Peer Reviewed)

2016 (1)

Cameron H, **McTighe T.** “ *Experience with Modular Necks for Cemented Total Hip Arthroplasty.*” RR. Vol. 6, No. 1, March 2016. <http://dx.doi.org/10.15438/rr.6.1.132>

2015 (5)

McTighe T. “*Modular Head Mismatch In THA*”

Acknowledgement: This is a case report of two cases from JISRF’s Tissue Sparing Study Group. We are grateful for their willingness to share these case examples of femoral head mismatch. RR. Vol.5, No.4, December 2015. <http://dx.doi.org/10.15438/rr.5.4.128>

McTighe T. “*The Power of One Publication*”. RR. Vol.5, No. 4, December 2015. <http://dx.doi.org/10.15438/rr.5.4.127>

Allison DC, Menendez L, Brien W, **McTighe T.** “*Table-less*” and “*Assistant-less*” *Direct Anterior Approach to Hip Arthroplasty.* RR. Vol. 5, No.3, October 2015. <http://dx.doi.org/10.15438/rr.5.3.122>

McPherson E, Vaughn B, Keppler L, Brazil D, **and McTighe T.** “*The Incidence of Dislocation Utilizing a Neck Sparing Stem in Primary THA in Community Based Practices with the Posterior Approach*”. RR. Vol. 5, No. 2, July 2015 <http://dx.doi.org/10.15438/rr.5.2.106>

Timothy McTighe, Declan Brazil, I Clarke, Louis Keppler, John Keggi, T Tkach, Edward McPherson: *Metallic Modular Taper Junctions in Total Hip Arthroplasty.* RR. Vol.5 No. 2, 2015 DOI: <http://dx.doi.org/10.15438/rr.5.2.108>

2014 (2)

McTighe T, Keggi J, Stulberg S.D, Keppler L, Brazil D, McPherson E. “*Total Hip Stem Classification System*”. RR. Vol. 4, No. 2, June 2014 <http://dx.doi./10.15438/rr.4.2.24>

McTighe T. “*Grateful For medical Advancements*” RR. Vol. 4, No. 1,2014 <http://dx.doi.org/10.15438/rr.v4i1.60>

2013 (4)

Hillock R. Keggi J. Kennon R. McPherson E. Clyburn T. Brazil D. **McTighe T**, “*Stage II Osteointegration Implant (OI) Skin Coupling Procedure.*” RR. Vol. 3, No. 4 2013
DOI: <http://dx.doi.org/10.15438/rr.v3i2.33>

Waller C. **McTighe T**, “*An Alternative Conservative Approach to Hip Reconstruction*”. RR. Vol.3, No. 2. Sept 2013

Robert Hillock, John Keggi, Robert Kennon, Edward McPherson, Terry Clyburn, Declan Brazil and Timothy McTighe. “*A Global Collaboration – Osteointegration Implant (OI) for Transfemoral Amputation Case Report (First Reported Case in U.S.)*”. RR.Vol.3, No. 2 2013
DOI: <http://dx.doi.org/10.15438/rr.v3i2.39>

McTighe T. “*Kransk ASR® Jury Award*”- Editorial Comments. RR. Vol 3, No. 1 2013
<http://dx.doi.org/10.15438/rr.v3i1.31>

2012 (2)

Keppler L, McTighe T. “*The Role of Stem Modularity for THA in a Community Based Practice*”. RR. Vol. 2, No. 2 August 2012 DOI: <http://dx.doi.org/10.15438/rr.v2i2.10>

Smith E, **McTighe T**. “*Total Hip Arthroplasty for Dysplasia and Congenital Disease of The Hip – Review Paper*”. RR. Vol. 2 No. 2, 2012 DOI: <http://dx.doi.org/10.15438/rr.v2i2.12>

2011 (12)

Johannes Plate, Ali Modfidi, Sandeep Mannava, Cara Lorentzen, Beth Smith, Thorsten Seyler, Timothy McTighe and Riyaz Jinnah. “*Unicompartmental Knee Arthroplasty: Past, Present and Future.*” RR. Vol.2, No.2, 2011
DOI: <http://dx.doi.org/10.15438/rr.v2i2.15>

Timothy McTighe. “*Orthopaedic and Rehabilitation Device Panel Medical Devices Advisory Committee Meeting*”. RR. Vol.2, No. 2, 2011 DOI: <http://dx.doi.org/10.15438/rr.v2i2.15>

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Declan Brazil, **Timothy McTighe**, John Keggi, Louis Keppler and Robert Kennon. “Clinical Evaluation of All Polyethylene Tibial Components in TKA – Review Paper”. RR. Vol.1. No.1, 2011
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2006 (1)

Hugh U. Cameron, Louis Keppler, **Tim McTighe.** “The Role of Modularity in Primary Total Hip Arthroplasty.” The Journal of Arthroplasty 07/2006: 21(4 Suppl 1): 89-92.
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1993 (1)

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1992 (1)

J.A. Longo, **T MCTIGHE**, and J.B. Koeneman: Torsional stability of revision hip stems. Journal of Biomechanics 06/1992; 25(6): 671-671.
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Oral Presentations (27)

2016 (2)

T. McTighe, Declan Brazil et al: A Classification System for Short Stem Total Hip Arthroplasty. Oral Presentation of Poster at: 13th Meeting of Combined Orthopaedic Associations. April 2016, Cape Town, South Africa.

T. McTighe, Declan Brazil: *The Tissue Sparing Implant (TSI™)*, Beyond Compliance Committee Advisory Group. London, UK. February 11, 2016

2015 (1)

Timothy McTighe, Declan Brazil, John Keggi, Louis Keppler and Edward McPherson: Oral Presentation of Poster: Short Stem Designs for THA: Neck Stabilized Femoral Component E Poster ISTA, Vienna, Australia October. 2015

2014 (3)

Timothy McTighe: Oral Presentation; Optimizing Modular Tapers for Total Hip Arthroplasty. CME Activity ICJR Pan Pacific Hilton Waikoloa Village Resort Hawaii, July 2014.

Declan Brazil and Timothy McTighe: Oral Presentation, Taper Issues in Total Hip Arthroplasty. CME Activity ICJR Sydney, Australia, February 14-16, 2014.

Timothy McTighe: Oral Presentation; The Science Behind a Short Curved Stem Total Hip Replacement. CME Activity, ICJR Sydney, Australia, February 14-16, 2014.

2013 (2)

Timothy McTighe: Oral Presentation; Cementless Stem Selection and Options “JISRF Stem Classification”; 2nd Annual Masters Anterior Hip Course, ICJR CME Activity, Houston, TX September 2013.

John M. Keggi, Timothy McTighe, Matthew Ariyavatkul and Arthur B. Landry: Oral presentation of E. Poster at CME Activity ISTA, 2013.

2012 (3)

Declan Brazil, and Timothy McTighe: Oral Presentation, Analysis of Neck Sparing (TSI) Versus Conventional Cementless Stem. CME Activity ISTA, Sydney Australia October 4-6, 2012

Timothy McTighe, Louis Keppler, Tony Aram, Charles Bryant, Corey Ponder, Frank Schmidt, Bradley K. Vaughn, Ed McPherson and Declan Brazil: Oral presentation; First 1,200 U.S. A. Short Curved Neck Sparing Stems –Clinical / Surgical Observations-. CME Activity, AOA 2012, Annual Scientific Program Sydney, Australia.

Timothy McTighe: Oral Presentation; Design Considerations for a Short Curved Neck Sparing Total Hip Stem with a Modular Neck. 1st Annual Masters Anterior Hip Course. ICJR CME Activity, Houston, TX 2012.

2011 (1)

Timothy McTighe: Oral Presentation; Short Stems for THA. RLO/ Real Life Orthopaedics, CME Activity, Charleston, S.C. May 2011.

2010 (10)

Timothy McTighe: Oral Presentation; Design Features for a Tissue Sparing THA Stem. Mini-Symposium “Neck Sparing Total Hip Arthroplasty” –Lessons Learned- / held prior to AAHKS Annual Meeting Friday, November 5, 2010

Corey E. Ponder, and Timothy McTighe: Oral Presentation; Shortening the Learning Curve Neck Stabilized THA “The ARC™ Stem”. Mini-Symposium “Neck Sparing Total Hip Arthroplasty” –Lessons Learned- / held prior to AAHKS Annual Meeting Friday, November 5, 2010

Declan Brazil and Timothy McTighe: Oral Presentation, Analysis of TSI™ Neck Stabilization Stem. Mini-Symposium “Neck Sparing Total Hip Arthroplasty” –Lessons Learned- / held prior to AAHKS Annual Meeting Friday, November 5, 2010

Ian Woodgate, Allen Turnbull, John Harrison, Peter Hanaford and Timothy McTighe: Oral Presentation; Neck Sparing Stem Design Early Experience. . Mini-Symposium “Neck Sparing Total Hip Arthroplasty” –Lessons Learned- / held prior to AAHKS Annual Meeting Friday, November 5, 2010

John Keggi, Kristaps J. Keggi, Robert Kennon and Timothy McTighe: Oral Presentation; Neck Sparing vs. Hip Resurfacing-Anterior Approach. Mini-Symposium “Neck Sparing Total Hip Arthroplasty” –Lessons Learned- / held prior to AAHKS Annual Meeting Friday, November 5, 2010

Louis Keppler and Timothy McTighe: Oral presentation; “Tissue Sparing Conservative Approach to the Hip-Posterior Approach”. Mini-Symposium “Neck Sparing Total Hip Arthroplasty” –Lessons Learned- / held prior to AAHKS Annual Meeting Friday, November 5, 2010

Louis Keppler, and Timothy McTighe: Oral Presentation; Rationale of Short “Neck Sparing” Femoral Components. Harvard Medical School CME Activity, Cambridge, MA Sept. 29, 2010.

Timothy McTighe: Oral Presentation; Design Considerations for Modular Stems. DARF, 12th Annual Meeting, October 6-8, 2010 Palm Springs, CA.

Timothy McTighe: Oral Presentation; Design Consideration for Modular Stems. CME Activity RLO, Joint Replacement Surgery May 6-7, 2010, Charleston, South Carolina.

Louis Keppler and Timothy McTighe: Oral Presentation; The Design Rationale of the ARC™ Stem. “Apex ARC™ Tissue-Sparing Femoral Stem”. July 10, 2010 Tampa Florida. OMNIlife sponsored Program.

2008 (5)

Thomas Tkach, Warren Low, and Timothy McTighe: Oral presentation, “THA in 2018: Modular Stems. CME Activity, 2008 Annual Advances in Arthritis, Arthroplasty and Trauma Course Sept. 10 - 12, 2008

Timothy McTighe, Ian Woodgate, Allen Turnbull, John Harrison, Declan Brazil, et al: Oral Presentation, “THA-Keep the Neck”. CME Activity, 10th Annual Update in Hip & Knee Arthroplasty & Bearing Surfaces, Rancho Mirage, CA. September 18, 2008.

Timothy McTighe, Hugh Cameron, Louis Keppler, and Thomas Tkach: Historical Review of Stem Modularity. Mini-Symposium, “Cutting-Edge Developments on Proximal Modularity in THA”. November 7, 2008, Dallas, TX.

Timothy McTighe, Ian Woodgate, Allen Turnbull, John Harrison, John Keggi, Robert Kennon, Louis Keppler, Declan Brazil and Hugh Cameron: A New Approach to Neck Sparing THA Stem. Arthroplasty Society of Australia Annul Meeting Canberra, 30, April-3, May 2008.

Richard Treharne and **Timothy McTighe:** A Novel Approach to Reduction of Wear in THA. Arthroplasty Society of Australia Annul Meeting Canberra, 30, April-3, May 2008.

Medical Videos Produced (25)

1. August 1, 2011 Apex ARC™ Stem – **Anterior Surgical Approach** by John Keggi, MD

2. July 2011 **Total Knee Arthroplasty Utilizing Surgical Navigation with an Automated (Robotic) Cutting Guide** by Louis Keppler, MD
3. May 2011 Single Anterior Incision THA Using a Tissue Sparing Implant “The ARC™ Neck Sparing Stem” by Charles Bryant, MD
4. **November 2010 Mini-Symposium on Neck Sparing Total Hip Arthroplasty – Lesson Learned –**
 - Introduction, McTighe
 - Course Overview and Concept, S. Stulberg
 - Design features, McTighe
 - FEA Analysis of Neck Stabilization Stem, Brazil
 - Direct Anterior Approach, J Keggi,
 - Using ARC Table, Reddick
 - Intraoperative Assessment, Keppler
 - Poor Bone Quality, Bryant & McTighe
 - Shortening the Learning Curve, Ponder
 - Summary, McTighe
5. August 2010 Master Surgeons Interview: Keppler, Mackel and Rubash
 Subject: **Tissue Sparing Total Hip Surgery, Hip Society Award Paper on Acetabular Component Positioning.**
 - **Introduction & Overview**
 - **Medical Decision Making**
 - **Current Design Features**
6. 2010 **Surgical Preparation for a Tissue Sparing Implant THA (posterior approach)** by Bradley K. Vaughn
7. 2010 **Apex K2 Modular™ Hip System with Interface™ Acetabular System**
8. 2010 **Apex Knee Surgical Implant and Technique** by Merle Kennedy
9. 2008 **Revision for Failed Apex™ Modular Stem** by Thomas Tkach
10. 2007 **Surgical Technique for the Vanguard M Partial Knee Resurfacing.** (Right lateral approach)
11. 2007 **Surgical Technique for the Oxford Partial Knee Resurfacing.** (Right medial approach)

- 12. 2007 Surgical Technique for the Vanguard PFR Patellofemoral Replacement.**
- 13. 2006 The Role of Modularity in Primary THA-Is there One?** By Hugh Cameron
- 14. 2006 Target Restoration of Hip Mechanics in THA.** By Tom Tkach
- 15. 2006 Surgical Technique for the S-Rom® Total Hip System.**
- 16. 1990 Revising the Deficient Proximal Femur** by David Mattingly
- 17. 1989 Primary Total Hip Arthroplasty with the S-Rom® Total Hip System** by Louis Keppler.
- 18. 1989 Threaded Acetabular Component Symposium**
 - Hugh Cameron**
 - Roderick Turner**
 - Dennis Bobyn**
 - Michael Mayor**
 - Wayne Paprosky**
 - Thomas Mallory**
- 19. February 1988, Hemispherical Spiked Porous Coated Acetabular Replacement Implant** by Charles James.
- 20. April 1988, Constrained Acetabular Component** by Thomas Mallory
- 21. August 1987, Primary Total Hip Arthroplasty** by Hugh U. Cameron
- 22. September 1987, Design and Surgical Techniques of a Hemispherical Acetabular Replacement Implant** by Charles A. Engh
- 23. October 1986, Deficient Acetabulum Treated with Femoral Allograft in THA** by Charles A. Engh
- 24. December 1985, S-Rom CDH-THR** by Charles A. Engh
- 25. October 1985, S-Rom Anderson Acetabular Arthroplasty** by Charles A. Engh

Produced & Directed Educational Audio Tapes (4)

1. April 1981, Femoral Canal Brushing for THA. Richards Manufacturing Co.
2. June 1981, Metal Tibial Trays for TKA. Richards Manufacturing Company
3. October 1981, Titanium for Total Joints. Richards Manufacturing Company
4. December 1981, Stress Shielding in THA. Richards Manufacturing Company

Past Nonprofit Affiliations



Board Member Keggi Orthopaedic Foundation

1986 to 2013

Founder Prof. Kristaps J. Keggi, Elihu Professor of Orthopaedics & Rehabilitation Yale School of Medicine.

Professor Keggi closed down the foundation as he moved into Elihu Professor of Orthopaedics & Rehabilitation Yale School of Medicine.



National Board Member for Orthopaedic Research & Education Foundation

National Board was discontinued.
1997 to 2010



Board Member

2003 to 2009

Resigned after death of Medical Director Dr. H.M. Reynolds

Mission

Since our founding in 1999, our goal has been to improve the care of patients with musculoskeletal conditions in the San Francisco Bay Area. One of our priorities is to raise the awareness of non-surgical treatment of orthopedic conditions. Our goal is to encourage a collaborative, multi-disciplinary community of clinicians working together to promote musculoskeletal health.



Concept, Design & Development, LLC
46 Chagrin Plaza, #118 • Chagrin Falls, Ohio 44022 • 440.785.9154
conceptdesigndevelopment,llc@gmail.com

Current and Past Business Experience

Founder & CEO Established in 2007

Established as a medical devices development and IP holding company that also provides engineering, medical/legal, and contract and clinical/surgical services. Have a number of medical devices patented, FDA approved and licensed to commercial partners.



Founder & CEO
Established in 2006
Closed in 2013

Sales and distribution company (medical orthopaedic devices) based in northern Ohio.

Consulting Activities

Timothy McTighe, LLC. **Founder and CEO** **2000 to Present**

Concept Design and Development, LLC
2010 to Present

Omni Life Science (2000 to 2012)
175 Paramount Dr.
Raynham, MA 02767

- (Modular Total Hips & Total Knees)

Osteoimplant Technology, Inc. (2000 to 2003) OTI was sold to Encore Medical.
• (Modular Total Hips & Total Knees)
Encore Medical, L.P.

Bacterin International, Inc. (2007-2008)
• Biologics Company.

Global Orthopaedics Technology (2005 to 2010)
NSW, Australia
• Orthopaedic Implant Company.

Stryker Orthopaedics (2005 to 2006)
• Revision Hip Team

Omni-Tract Surgical (2003 to 2004)
• Surgical Retractor System

DePuy Orthopaedics (1991-92)
• Design Consultant Stability Cementless THA Stem

Past Business Positions

Founding President & CEO

Orthopaedic Development Company (ODC) (1993 to 1994)

- Total Hip Company

Sold to MDM Japan

Vice President

Joint Medical Products Corp. (1984 to 1991)

- Total Hip and Knee company (S-Rom Hip and Knee System)

President & CEO (1982 to 1984)

NEO Technologies, Inc.

- Transfer of medical and marketing technologies to and from academic institutions, medical centers, physicians and industry.

Vice President (1982)

Concept Inc.

- Medical Technologies Company.

Director of Marketing for Reconstructive Products Division (1980 to 1982)

Richards Manufacturing Company

- Orthopaedic Device Company

Associate Distributor (1974 to 1980)

Past Social & Personal Relationships

Avenida da las Casas Association, Board Member

Aurora Golf Country Club

Shands Circle Member, OREF

Holy Angles Catholic Church

PR Task Force (Center for Pastoral Leadership) Diocese of Cleveland

Ohio Round Table Council Member

Quayle 2000 National Finance Committee

Christian Coalition

Campaign America

Chagrin Valley Athletic Center

Republican Presidential Legion of Merit

National Republican Senatorial Committee

National Republican Congressional Committee

Republican Presidential Task Force

Victory 96 Steering Committee

Republican National Committee Sustaining Member

Chairman's Advisory Board

The Speaker's Citizen Task Force