

**CURRICULUM VITAE
TERRY R. TRAMMELL, MD**

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EDUCATION

Undergraduate	Vanderbilt University/Nashville, TN -Bachelor of Chemical Engineering	1971
Medical School	Indiana University Medical Center/Indianapolis, IN -M.D.	1975

POSTGRADUATE TRAINING

Internship	Methodist Hospital / Indianapolis, IN	1975 – 1976
Residency	Indiana University Medical Center/Indianapolis, IN Orthopaedics	1976 – 1979
Fellowship	University of Toronto / Toronto, Ontario, CA Spinal Surgery	1979 – 1980

CERTIFICATION AND LICENSURE

Medical Licensure	Indiana (01026389A)	8/6/1975 – 06/30/2013
Medical Licensure	California (C51008)	8/30/2002 – 11/30/2013
Medical Licensure	Tennessee (MD0000048074)	1/11/2012- 11/30/2013
Board Certification	American Board of Orthopaedic Surgery	9/11/1981 – current
Board Certification	American Board of Spine Surgery (136)	October 1988
Re-Certification	American Board of Spine Surgery (136)	June 2002 – 12/31/2022
Certification	Advanced Trauma Life Support	1986 – 2010

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Simmons Surgical Society, Member	Current
Scoliosis Research Society, Member	Current
American College of Spine Surgery, Fellow	Current
North American Spine Society, Member	Current
American Academy of Orthopaedic Surgeons, Member	Current
Indianapolis Medical Society, Member	Current
Indiana State Medical Association, Member	Current
American Medical Association, Member	Current
International Council of Motorsports Sciences, Founding Member 1987, Director,	Current
SAE International-The Society of Automotive Engineers	Current
FIA Institute for Motorsports Safety, Paris, France, Founding Fellow	2004 - Current
-Open Cockpit Group, Karting Research Group	

PROFESSIONAL ACTIVITIES

Partner/Surgeon Orthopaedics Indianapolis, Inc.	1980 – Current
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CLINICAL INTERESTS/SPECIALIZATION

Spinal Deformities
Scoliosis-Children and Adults
Kyphosis
Spondylolisthesis
Neck and Arm Pain
Cervical Disc Herniation
Cervical Disc Disease
Cervical Fractures
Low Back Pain
Disc Herniation
Spinal Trauma Injuries
Degenerative Disc Disease
Spinal Stenosis
Motorsports Medicine
Driver Reconstructive Surgery
and Rehabilitation
Sports Specific Soft Tissue Injuries
Car Seating/Cockpit Fitting

HOSPITAL APPOINTMENTS

Indiana Orthopaedic Hospital	ACTIVE STAFF: Indianapolis, IN
Indiana University Health North	ACTIVE STAFF and Surgery Section
St. Vincent Hospital	ACTIVE STAFF: Indianapolis, IN
Clarian (Methodist, IU, Riley) Hospital	ACTIVE STAFF: Indianapolis, IN
Hendricks County Hospital	COURTESY: Danville, IN
St. Francis Hospital	PROVISIONAL: Beech Grove, IN

HONORS AND AWARDS

RRDC(Road Racing Drivers Club) Honorary Membership
St. Vincent Research Symposium Abstract Winner Award 2010
National Athletic Trainers Association Award
NAARFC Tony Hulman Award
Indiana State Medical Assoc. AMA Physician Recognition Award 1983
AMA Physician Recognition Award
SAE (The Society of Automotive Engineers) For Excellence in Presentation 2002
United States Auto Club-Unsung Hero Award
Molson Indy Achievement Award
American Auto Racing Writers and Broadcasters Association Award
Talking Proud Award – Simmons Surgical Society 1993, 2004 & 2007

CONSULTANCIES

Medtronic Spine and Biologics	Current
Biomet Spine	Current
Task Force Member of the NASA Orion Landing Biodynamics Team, Stryker Spine, Allendale, NJ	2008-Current 2006-Current
Indy Racing League – Orthopaedic Consultant and Safety Advisor	2004-Current
Medtronic Sofamor Danek, Memphis TN,	2001-Current
Senior Orthopaedic Consultant for Championship Auto Racing Teams,	1996-2001
General Motors – Motorsports Technology Group	1992-1995
Medical Director & Consultant for Orthopaedic Injuries, Championship Auto Racing Teams	1984-1995
Senior Consultant for Orthopaedic Injuries, Indianapolis Motor Speedway, Methodist Performance Institute – Past	1982-1995

COMMITTEES AND BOARDS

Advisory Board of the American Board of Accreditation for Intraoperative Neuromonitoring Programs	2008 - Current
Resident Selection Committee – IU School of Medicine, Indianapolis, IN	2006 - Current
National Board of Advisors, Rose Hulman Institute of Technology, Department of Applied Biology & Biomedical Engineering	1994 - Current
Indianapolis Board of Associates, Rose-Hulman Institute of Technology	1994 - Current
Preceptor for Physician Assistant Program, Butler University, Indianapolis, IN	2002 – 2004
Scientific Advisory Committee, International Motor Sports and Vehicular Injury Research Center	
Chairman, Orthopaedic Section, Methodist Hospital Trauma Center “CORE” Group	Past
Medical Executive Committee, Member, Rehabilitation Hospital of Indiana	2003 – 2007
Morbidity and Mortality Committee for the Scoliosis Research Society,	1996

RESEARCH AGREEMENTS

K2M – CSSG-Complex Spine Study Group
Biomet Spine

TEACHING

OrthoIndy Spine Fellowship	1999 - Current
IU School of Medicine, -Assistant Clinical Professor, Department of Orthopaedics	Current
-Grand Rounds	Current
-Spinal Rounds	Current
Rose-Hulman Institute of Technology	Current
Medtronic Inc. – Fundamental Principles and Techniques in Spinal Surgery, San Diego, CA	August 2008
Cervical Arthroplasty: Core Education Course, Indianapolis, IN- Faculty	November 2007
MIS Technology Cadaver Workshop – Minimally Invasive Transforaminal Interbody Fusion @ Methodist Hospital, Indianapolis, IN	January, 2006
Stryker Spine Workshop – New Techniques in Percutaneous Pedicle Screw Placement & MIS TLIF Surgery, St. Vincent Hospital, Indianapolis IN	March 2007
Stryker Spine Course – Less Invasive Technologies in Spine Surgery,	July 2007

Fort Lauderdale, FL

Prestige Cervical Disc Course, Indianapolis, IN

November, 2007

PRESENTATIONS, POSTERS AND EXHIBITS

2012 Back Care Forum /Carle Foundation Hospital – “The Cause and Prevention of Spinal Fractures in an INDYCAR: Research to Results”

Trammell TR, Flint K, Davis KE. “Rod Failure Analysis in Deformity Correction Using Four Titanium Rod Types” presented as a poster at the 2011 AAOS Annual Meeting in San Diego, CA. February 15-19, 2011

Trammell TR, Flint K, Davis KE. “Translational Cervical Plate Fixation: An Evaluation of Compression Rate and Timing” presented as a poster at the 26th CSRS ES Meeting in Corfu, Greece. May 26-29, 2010 as well as a poster at the 2010 St. Vincent Health Research Symposium, Indianapolis, IN. June 16, 2010

Trammell TR, Flint K, Davis KE, Kakarlapudi RV. “Analysis of Rod Failures in Four Titanium Rod Types Used for Deformity Correction” presented as a poster and winning oral presentation at the 2010 St. Vincent Health Research Symposium, Indianapolis, IN. June 16, 2010

K2M-Complex Spine Study Group, “Proximal Thoracic Curve: Which is better, a low shoulder or fusion to T2? San Diego, CA. January 2010

IRL Driver Safety Research Group, Indianapolis Motor Speedway, “Everything a Driver and the Crew Chief Need to Know About Self Preservation in the Cockpit” Indianapolis, IN. January 2010

IMIS – “Head and Neck Restraints” Indianapolis, IN. Dec.1, 2009

Rose-Hulman Institute of Technology/Biomedical Engineering Class, “Engineering Misadventures” Indianapolis, IN. Nov. 11, 2009

ICMS-International Annual Meeting Council Motorsports Sciences , “Advances in Seat Design and Open Cockpit Research” and “Head and Neck Restraints-What Do They Do and Don’t Do” Indianapolis, IN. July 28, 2009

Trammell TR, Flint K, Davis KE. “Analysis of Rod Failures of Four Titanium Rod Types in Deformity Correction” presented as a poster at 16th International Meeting on Advanced Spine Techniques (IMAST) in Vienna, Austria. July 15-18, 2009

Speedway High School, “The Crash: Physics and Physiology” Speedway, IN 5/1/2009

IRL: Driver Safety Update “Progress in the Development of a Seating Platform and Head Surround to Lessen the Risk of Spinal or Head Injury”

Indianapolis, IN Jan.13, 2009

Central States Occupational Medicine Association Conference, “Musculoskeletal Injuries Unique to Motorsports” Indianapolis, IN September 2008

Fundamental Principles and Techniques in Spinal Surgery Program, sponsored by Medtronic, “Anterior Lumbar Interbody Fusion: Applied Anatomy, Approach & Technique, San Diego, CA August 2008

Fundamental Principles and Techniques in Spinal Surgery Program, sponsored by Medtronic, “Neural Monitoring” San Diego, CA August 2008

Fundamental Principles and Techniques in Spinal Surgery Program, sponsored by Medtronic “Pedicule Screw Instrumentation – Indications & Techniques” San Diego, CA August 2008

National Medical Illustrators, “Lower Extremity Trauma & Reconstruction following Indy Car Racing Accidents”, I.U. Medical Center, Indianapolis, IN July 2008.

International Congress of Motorsports Sciences, Annual Congress, “The Zandardi Accident, Lessons Learned” Indianapolis, IN July 2008

International Congress of Motorsports Sciences, Annual Congress, “The New Helmets, Adult & Youth” Indianapolis, In July 2008

International Congress of Motorsports Sciences, Annual Congress, “Open Cockpit Seat Development” Indianapolis, IN July 2008

NASA Grand Rounds “Spinal Fractures in Open Cockpit Open Wheel Race Car Drivers” Rear Impact Protection - Ongoing Research" NASA, Houston Texas January 2008.

Riina J, Trammell TR, Patel A, Jethwani D, Johnson W. A Biomechanical “Comparison of Posterior Fixation Rods: An In Vitro Study”. Congress of Neurological Surgeons. San Diego, CA. September 15-20, 2007.

Trammell TR, Remley KB, Patel A, Fitzpatrick KA, Riina J, Coscia MF, Schwartz DG, Dietz JW, Graf CN, “Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully with Femoral Ring Allografts for Standalone Anterior Lumbar Interbody Fusion?” A Quantitative Computed Tomography Study. Congress of Neurological Surgeons. San Diego, CA. September 15-20, 2007.

Riina J, Patel A, Schwartz DG, Dietz JW, Trammell TR, Fitzpatrick KA, Hoskins JS. “Comparison of Single Level Cervical Fusion and a Metal on Metal Cervical Disc Replacement Device.” International Meeting on Advanced Spinal Technologies. Nassau, Bahamas. July 10-14, 2007.

Trammell TR, Remley KB, Patel A, Fitzpatrick KA, Riina J, Coscia MF, Schwartz DG, Dietz JW, Graf CN, “Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully with Femoral Ring Allografts for Standalone Anterior Lumbar Interbody Fusion?” A Quantitative Computed Tomography Study. 56th National Congress of the Society of Italian Neurosurgeons Joint Meeting with the Congress of Neurological Surgeons. Rome, Italy. June 24-27, 2007

Riina J, Patel A, Schwartz DG, Dietz JW, Trammell TR, Fitzpatrick KA, Hoskins JS. “Comparison of Single Level Cervical Fusion and a Metal on Metal Cervical Disc Replacement Device”. St. Vincent’s Research Symposium. Indianapolis, IN. June 13, 2007.

Trammell TR, Remley KB, Patel A, Fitzpatrick KA, Riina J, Coscia MF, Schwartz DG, Dietz JW, Graf CN, “Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully with Femoral Ring Allografts for Standalone Anterior Lumbar Interbody Fusion?” A Quantitative Computed Tomography Study. Indiana University Medical School Garceau-Wray Presentations. Indianapolis, IN. June 7-8, 2007.

Garceau-Wray Lectureship, 31st Annual, “Can rhBMP Be Used Successfully with Femoral Ring Allografts for Lumbar Interbody Fusion”, Indianapolis, IN June, 2007

International Council of Motorsports Sciences, Annual Congress, “Open Wheel In-Car Protection” Indianapolis, IN June, 2007

Riina J, Patel A, Schwartz DG, Dietz JW, Trammell TR, Fitzpatrick KA, Hoskins JS. “Comparison of Single Level Cervical Fusion and a Metal on Metal Cervical Disc Replacement Device”. Spinal Arthroplasty Society. Berlin, Germany. May 1-4, 2007.

Trammell TR, Remley KB, Patel A, Fitzpatrick KA, Riina J, Coscia MF, Schwartz DG, Dietz JW, Graf CN, “Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully with Femoral Ring Allografts for Standalone Anterior Lumbar Interbody Fusion?” A Quantitative Computed Tomography Study. Indiana Orthopaedic Society. Belterra, IN. April 26-28, 2007.

Rose Hulman Institute of Technology, Terre Haute, IN “Medical Engineering“ Presentation to Mechanical Engineering Class 497, April 2007

Simmons Surgical Society, Milwaukee, WI “Spinal Fractures in Indy Car Drivers: Reducing the Risk Through Seat Modification” April 2007

Indiana University School of Medicine, Grand Rounds Presentation “Evaluation of Back Pain” Indianapolis, IN February, 2007

Indiana University School of Medicine, Grand Rounds Presentation “Cervical Spine Fractures” Indianapolis, IN September 2006

Advanced Technologies Spinal Treatment, “Minimal Access Surgical Techniques in Spinal Surgery” Tokyo, Japan June 2006

Spine Users Forum, “Cause and Considerations of Cervical Injury Sustained in a Rearward Impact in an Open-Wheeled Car” Tokyo, Japan June, 2006

Attorney Seminar, Scopelitis, Garvin, Light & Hanson, PC, “Anatomy of a Spinal Injury” Indianapolis, IN April 2006

In-Service Presentation for Physical Therapists “Stabilization of Spinal Surgeries” Rehabilitation Hospital of Indiana, Indianapolis, IN April 2006

FIA Institute for Motor Sport Safety & International Council of Motorsports Sciences, Rome, Italy, “Spine Fractures in Open Cockpit Open Wheel Race Cars” Rear Impact Protection: Current Research & State of the Art, January, 2006

FIA Institute for Motor Sport Safety & International Council Motorsports Sciences, Rome, Italy “Heat Stress – Lessening the Effect on Driver” January, 2006

ScienTec, Indianapolis, IN, “History of Spine Fusion ~ Past, Present and Future” September, 2005

Methodist Hospital, Indianapolis, IN Lifeline Lecture “Emergency Response” August 2005

National Athletic Trainers’ Association Annual Meeting & Clinical Symposia, Indianapolis, IN “Chronic Lumbar Dysfunction Management” June 2005

National Athletic Trainers’ Association Annual Meeting & clinical Symposia Indianapolis, IN “Recommended Standards for Helmet Design in Children Based on Anthropometric and head Mass Measurements in 223 children Ages Six to Seventeen” June 2005

American College of Sports Medicine, San Antonio TX, Course on Motorsports Medicine “Orthopaedic Injuries Unique to Motorsports” February, 2005

International Council of Motor Sport Sciences, Miami FL, Presentation “Driver Protection in Open Cockpit Race Cars” January 2005

FIA Institute for Motorsports Safety, Paris France, Attended Meeting of Open and Closed Cockpit Research Groups of the FIA Institute for Motorsports Safety January 2005

International Council of Motorsports Sciences, Indianapolis, IN “Driver Safety in Open Cockpit Race Cars”, January 2005

Performance Racing Industries Trade Show Presentation of Lecture and Symposium Keynote Speaker Indianapolis, IN “Heat Stress” December, 2004

SAE Motorsports Engineering Confer. Detroit, MI “Safety is a Responsibility” December 2004

SAE Motorsports Engineering Conference, Detroit, MI Oral Presentation of an Authored Paper “Compressive Neck Loading HANS – Helmet Interaction” December, 2004

Wayne State University, Detroit, MI, “Considerations in the Cause & Prevention of Neck Injuries in an Open Cockpit Race Car”. November 2004

Indiana University, Indianapolis, IN “Considerations in the Cause and Prevention of Neck Injuries in an Open Cockpit Race Car” November 2004

Central Indiana Scoliosis Association, Indianapolis, IN “Adult Scoliosis” August 2004

Orthopaedics Indianapolis, Indianapolis, IN “Motorsports Medicine” May 2004

Simmons Surgical Society, Toronto, Canada “Considerations in the Cause of Neck Injury in an Open Wheeled Race Car”, May 2004

Pfizer Inc. Indianapolis, IN “Current Trends in Spine Surgery” April 2004.

Rose Hulman Institute of Technology, Terre Haute, IN “Lumbar Disc Arthroplasty: Mission: Develop a Lumbar Disc Arthroplasty”, March 2004

International Council of Motorsport Sciences & FIA Motorsports Safety Symposium, “Motorsports Medicine”, January 2004.

Open-Wheel Racing Summit, Indianapolis, IN, “Improving Race Safety Performance and Perception”, Panel Discussion, May 2003

Methodist Hospital, Ortho Indy Trauma Update, Indianapolis, IN “Head and Neck Injuries in Indy Car Racing”, May 2003

Wausau Insurance, Indianapolis, IN “Lumbar Disc Herniation” April 2003

Indianapolis Medical Society, Indianapolis, IN “The Evolution of Motorsports Medicine”, March 2003

Rose Hulman Institute of Technology, Terre Haute, IN, “Considerations in the Cause and Prevention of Injuries of the Cervical Spine in Motorsports”, February 2003

American Association of Orthopaedic Surgeons, Rosemont, IL, Annual Meeting, Presidential Guest Lecturer for Orthopaedic Trauma Association, “Considerations in the Cause and Prevention of Injury in Motorsports”, February 2003

Watkins Lecturer in Birmingham, England “Motorsports Medicine: Art and Science” January 2003

International Council of Motorsports Sciences, Annual Meeting, Las Vegas, NV “Harness Configurations – What’s the Best (To Prevent Injury)” January 2003

Society of Automotive Engineers, Warrendale, PA, Motorsports Engineering Conference, Indianapolis, IN “Medical and Technical Outcomes of the Hans Use in Cart” December 2002

University of California, Davis, Graduate Research Symposium, Visiting Professor and Guest Speaker, “Injuries of the Cervical Spine in Motorsports & their Prevention with the Head and Neck Support” and “Lumbar Spine Fusion: Past, Present, & Future,” June 2002

Trauma Fellow Presentation, “Head and Neck Injuries in Indy Car Racing,” Orthopaedics Indianapolis, Indianapolis, IN, May 2002

Formula I Meeting, San Paulo, Brazil, “Efficacy and Implementation in CART Series” March 2002

Pfizer, Presentation to Physicians “Racing Accidents,” Indianapolis, IN, March 2002

Rose Hulman Institute of Technology, “Trends in Spine Surgery – Past, Present, and Future”, Terre Haute, IN, March 2002

International Council of Motorsports Sciences, - FIA Motorsport Safety Symposium, “History of Sports Medicine” “Head and Neck Support, The Evaluation & 2001 Experience”, Miami, Florida, January 2002

Physiotherapy Associates, National Meeting, “Current Trends in Spine Care”, Las Vegas, Nevada January 2002

Pharmacia Presentation: “Auto Racing Injuries”, Indianapolis, IN December 2001

Pfizer Physician Program: “Auto Racing Injuries”, Indianapolis, IN March, June, & December 2001

Anderson University, Sports Medicine Program: “Cervical Spine Post Crash Treatment Protocol”, Anderson, IN February 2001

Eagle Scouts: “Success is a Matter of Perspective”, Indianapolis, IN February 2001

Orthopaedics Indianapolis Grand Rounds: Ankylosing Spondylitis, Indianapolis, IN January 2001

University of Texas Medical Branch at Galveston, 13th Congress of International Council of Motorsport Sciences, Medical Outcome with Use of Hans Device, Cervical Spine Post Crash Treatment Protocol, and Unique Lumbar Injury – The Mansel Lesion. Daytona, FL, December 2000

Rose Hulman Institute of Technology: Neck Injury Prevention in Open Wheel Racing. December 2000

American College of Sports Medicine: Consideration on Prevention of Neck Injury in Open Cockpit Race Cars. Indianapolis, IN, June 2000

University of Brazil, Grand Rounds: Adolescent Idiopathic Scoliosis; Surgical Treatment Options – Neck Injury Prevention in Open Wheel Racing. April 2000

Orthopaedics Indianapolis Spine Grand Rounds: Classification of Idiopathic Scoliosis for Cervical Spine Injury in Race Drivers. Indianapolis, IN, February 2000

International Council of Motorsport Sciences: Neck Injury Prevention in Open Wheel Racing. London, England, December 1999

Union Hospital, Orthopaedic Series, The Back: Treatment of Cervical & Lumbar Pain. December 1998

International Council of Motorsports Sciences: Atlanto-Occipital Dissociation Treated Non-Operatively. Galveston, TX, November 1998

Indiana Dental Study Club, Cervical Disc Disease. Indianapolis, IN, April 1997

Ball State Sports Medicine Club, Indy Car Injuries. Muncie, IN, March 1997

Motorsports Engineering Conference and Exposition, SAE, Motorsports Safety Developments I: Investigation of Indy Car Crashes Using Recorders. Dearborn, MI, December 1996

International Council of Motorsports Sciences, Annual Meeting: Orthopaedic Injuries in Motorsports. Toronto, Canada, November 1996

Central Indiana Association of Orthopaedic Nurses, Putting the Pieces Together. Indianapolis, IN, November 1996

Methodist Hospital, Indiana Spine Trauma Symposium: Thoracolumbar Spine Fractures: Instrumentation Options. Indianapolis, IN, May 1996

Indianapolis, Neurosurgical Group, Indiana Spine Trauma Symposium Thoracolumbar Spine Fractures: Instrumentation Options. Indianapolis, IN, May 1996

Southern Surgeons Club: 53rd Annual Meeting: Medical Care for the Indianapolis 500 IU Medical Center. Indianapolis, IN, May 1996

Reid Hospital, Grand Rounds: Cervical Disc Disease. Richmond, IN, May 1996

Methodist Hospital, Grand Rounds: Driver Injuries at the 500. Indianapolis, IN, May 1995

University of Miami, Grand Rounds, Spinal Injuries in Motor Sports. Miami, FL, March 1995

SAE International Motor Sports Engineering Conference: Evolution of Car Design and Injury Patterns at Indianapolis Motor Speedway Over the Last Ten Years, 1985 – 1994. Michigan, December 1994

Ontario Orthopaedic Association: High Energy Trauma to the Foot and Ankle in Motor Sports. Ontario, Canada, November 1994

International Council of Motorsport Sciences 7th Congress: Injury Production and Prevention in Indy Car Racing: Ten Year Analysis. October 1994

American College of Sports Medicine: Treatment of High Energy Injuries of the Lower Extremity and Injury Prevention as a Function of Car Design. Indianapolis, IN, June 1994

American Society of Plastic and Reconstructive Surgical Nurses: Indy Car Racing Injuries and Treatments. Indianapolis, IN, May, 1994

Methodist Hospital, Midwest Indy 500 Complications in Orthopaedic Trauma: Indy Car Racing Injuries. May 1994

Advanced Physical Therapy: Indications for Back Surgery and Conservative Management. Indianapolis, IN, April 1994

Scoliosis Research Society: Complications and Outcome of Adult Reconstructive Spinal Surgery, Paper 87. Dublin, Ireland, September 1993

Clinical Orthopaedic Society: High Energy Trauma to the Foot and Ankle in Motor Sports. Pointe Clear, AL, October 1993

Continental Rehabilitation Resources: Low Back Pain and Sciatica. Indpls., IN, June 1993

Searle, Annual Presentation for Physicians and Surgeons: Indy Car Accidents and Treatments. Indianapolis, IN, April 1993

Orthopaedic Associates of Muncie, Ball State Medicine Club: Indy Car Accidents-Year of Analysis. February 1993

Memorial Medical Center, Trauma Conference: Indy Car Accident Analysis and Injury Correlation. Savannah, Georgia, January 1993

Advanced Techniques in Spinal Instrumentation, First Annual Symposium: Rogozinski Lumbar Spinal Instrumentation: Preliminary Results of 108 Patients. New York, NY, December 1992

American Academy of Orthopaedic Surgeons, 59th Annual Meeting: Comparison of Harrington Distraction Instrumentation to Cotrel-Dubousset Instrumentation in the Treatment of Fractures of the Thoracolumbar Spine. Washington, D.C., February 1992

Indiana Association of Osteopathic Physicians and Surgeons, 95th Annual Meeting: Indy Car Accident Survey. Indianapolis, IN, January 1992

Maryland Institute for Emergency Medical Services Systems, Grand Rounds: The Indy Car Racing System of Trauma Care. Baltimore, MD, January 1992

Fourth Annual OMG Orthopaedics/Sports Medicine Conference: Spinal Injuries in Motor Sports and Indy Car Racing Accidents and Injuries. Olean, New York, November 1991

8th International Congress of Cotrel-Dubousset Instrumentation: Comparison of Harrington Distraction Instrumentation to CD Instrumentation in the Treatment of Fractures of the Thoracolumbar Spine. Minneapolis, Minnesota, September 1991

94th Annual Convention of the Indiana Association of Osteopathic Physicians and Surgeons: Indy Car Accident Injury Survey. Indianapolis, IN, May 1991

2nd Annual Indianapolis 500 Sports Medicine Symposium: Low Back Pain in the Adolescent Athlete. Indianapolis, IN, May 1991

University of Texas, Health Science Center at Houston Grand Rounds: Indy Car Racing Accidents and Injuries. Houston, TX, January 1991

Sports Medicine Symposium: Low Back Pain in the Adolescent Athlete. Indianapolis, IN, 1991

Duke Memorial Hospital: Indy Car Accidents and Treatments. Peru, IN, 1990

Indiana University, Garceau-Wray Lectures: The Comparison of Harrington DDI to CDI in the Treatment of Burst Fractures of the Thoracolumbar Spine. Indianapolis, IN, 1990

Association for Advancement of Automotive Medicine: Accident and Injury Statistics-Indy Car Racing, 1985 – 1989. Scottsdale, AZ, 1990

Mid-America Orthopaedic Association Complications of Reconstructive Spinal Surgery in the Adult. Hamilton, Bermuda, 1989

Mid-America Association: Anterior Spine Fusion Using Zielke Instrumentation for Adult Thoracolumbar and Lumbar Scoliosis. Hamilton, Bermuda, 1989

Simmons Surgical Society: Complications of Reconstructive Spinal Surgery in the Adult. Beaver Creek, CO, 1989

American Academy Ortho. Surgeons: Results of Treatment Using Zielke Instrumentation for Idiopathic Scoliosis in the Adult, 1989

American College of Emergency Physicians: Racing Injuries. Indianapolis, IN, 1986

American College of Sports Medicine: Racing Injuries. Indianapolis, IN, 1986

American Fracture Association: Post Traumatic Kyphosis Results of Treatment. Santa Fe, New Mexico, 1985

Garceau-Wray Lecture Series: Radiographic Review of Rotatory Listhesis. Indianapolis, IN, 1985
American Academy of Orthopaedic Surgeons: Evaluation of the Patient with a Spinal Deformity. Toronto, Ontario, Canada, 1984

Indiana and Ohio Academies of Family Physicians: Upper Extremity Pain in the Pediatric Athlete. College Corner, Ohio, 1983

Clinical Orthopaedic Society: Spinal Stenosis. Indianapolis, IN, 1983

Garceau-Wray Lecture Series: Results of Treatment of Thoracolumbar Spine Fractures. Indianapolis, IN, 1982

Garceau-Wray Lecture Series: Operative Treatment of the Lateral Recess Stenosis, A Type of Spinal Stenosis. Indianapolis, IN, 1981

American Academy of Orthopaedic Surgeons: Spinal Cord Transposition and Anterior Vertebral Resection in the Management of Paralysis Associated with Kyphoscoliosis. Las Vegas, NV, 1981

American Fracture Association: Spinal Fractures. Indianapolis, IN, 1981

Garceau-Wray Lecture Series: Anterior Vertebral Body Resection and Cord Transportation for Paralysis Associated with Kyphoscoliosis. Indianapolis, IN, 1980

Scoliosis Research Society: Spinal Cord Transposition and Anterior Vertebral Resection in the Management of Paralysis Associated with Kyphoscoliosis. Chicago, IL, 1980

PUBLICATIONS

Trammell T, Flint K. Spine Fractures In Drivers of Open-Wheel Open Cockpit Race Cars. *Aspetar Sports Medicine Journal*. Issue 3: December 2012, 196-202.

Trammell TR, Flint K, Ramsey CJ. A Comparison of MRI and CT Imaging Clarity of Titanium Alloy and Titanium Alloy with Cobalt-Chromium-Alloy Pedicle Screw and Rod Implants in the Lumbar Spine. *J BoneJoint Surg Am*, 94-A(16): August 15, 2012

Horton, Jeff Trammell, Terry, Chinni, James: Vertical Impact to an Open Wheel Race Car and Development of a Crash Test to Stimulate Driver Response. SAE Motor Sports Engineering Conference and Proceedings, December 2008

Riina, J, Patel A., Dietz, J., Hoskins, J, Trammell, T, Schwartz, D,: Comparison of Single-Level Cervical Fusion and a Metal-on-Metal Cervical Disc Replacement Device, *American Journal of Orthopaedics*, E71-E77, 2008

Olvey, SE, Trammell TR, Mellor, A: Recommended Standards for Helmet Design in Children Based on Anthropometric and Head Mass Measurements in 223 Children Ages Six to Seventeen, SAE International (Engineering Society for Advancing Mobility, Land Sea Air and Space). Paper #2006-01-3656 December 2006

Trammell, TR, Meistelman, C, Bonnet, G: Heat Stress in Motorsports – Lessening the Effect on the Wearer by Selection of Fire Suit Materials and Construction, SAE International (Engineering Society for Advancing Mobility, Land Sea Air and Space). Paper #2006-01-3658 December 2006

Trammell TR, Weaver, CS, Bock, H: Spine Fractures in Open Cockpit Open Wheel Race Car Drivers, SAE International (Engineering Society for Advancing Mobility, Land Sea Air and Space). Paper #2006-01-3630. December 2006

Karnes, J, Moench, K, Ordway, R, Stamper, R, Trammell, TR: Determination of Minimum Required Halo Pin Force, The Journal of Spinal Disorders and Techniques, Volume 19, Number 4, June 2006

Trammell, TR: Contributions and a Consultant to Krames Publication, Back Exercises for a Healthy Back, April 2003

Trammell, TR: Head and Neck Support: Not Effective as an Extrication Orthosis, Performance and Safety in Motorsports, Vol. 12, No. 3, International Council of Motorsports Sciences, December 2002

Coscia MF, Trammell TR: Pyogenic Lumbar Facet Joint Arthritis with Intradural Extension: A Case Report, Journal of Spinal Disorders and Techniques, Vol. 15, No 6, pp. 526-528 September 2002.

Melvin JW, Baron KJ, Little WC, Pierce J, Trammell TR: Impact Head Injury: Responses, Mechanisms, Tolerance, Treatment and Countermeasures Proceedings of SAE Motorsport Engineering Conference, December 1996, and Advisory Group for Aerospace Research and Development Conference Proceedings 597, Published, November 1997

Trammell TR, Reed DB: Spinal Injuries in Motorsports, Sports Medicine and Arthroscopy Review. Vol. 5, No. 3, 1997

Melvin JW, Baron KJ, Little WC, Pierce J, Trammell TR: Investigation of Indy Car Crashes Using Impact Recorders. SAE Technical Paper Series, #962522, December 1996

Coscia MF, Trammell TR, Popp B, Gawande SR, Fitzgerald J, Scott JR: Effect of Anesthetic Variables on Dermatomal Somatosensory-Evoked Potential Monitoring in Elective Lumbar Spinal Surgery. Journal of Spinal Disorders. Vol. 8, No. 6, pp. 451-456, November 1995

Trammell TR, Book Chapter: Spinal Injuries in Motorsports. Dr. Robert Watkins Book: Spine and Sports, Mosby-Year Book, Inc. Chapter 59, pp. 597-608, November 1995

Trammell TR, Nelson Lynn M: Complications and Outcome of Adult Reconstructive Spinal Surgery. Orthopaedic Transactions. Vol. 18, No. 1. pp. 120-121, 1994

Trammell TR, Friedlander MS, Reed DB: The Effect of Lower Limb Ischemia on SEP's During Spine Surgery. Spine, March 1993

Coscia MF, Trammell TR, Haines N: Thoracolumbar Spinal Fractures - Concepts of Treatment. Indiana Medicine, 84:11-792:796. November 1991

Trammell TR, Fisher D, Brueckmann FR, Haines N: Closed-Wound Drainage Systems: The Solcotrans Plus Versus the Stryker-CBC ConstaVac. Orthopaedic Review. Vol. XX, No. 6 536:542. June 1991

Trammell TR, Benedict F, Reed DB: Anterior Spine Fusion Using Zielke Instrumentation for Adult Thoracolumbar and Lumbar Scoliosis. Spine. 16:307-316. March 1991

Trammell TR, Rapp G, Maxwell KM, Miller JK, Reed DB: Luque Interpeduncular Segmental Fixation of the Lumbosacral Spine. Orthopaedic Review. 20:57-63. January 1991

Trammell TR, Olvey SE: Crash and Injury Statistics from Indy Car Racing, 1985-1989. Association for Advancement of Automotive Medicine. 34:329-335. October 1990

Trammell TR, Schroeder RD, Reed, DB: Rotatory Olisthesis in Idiopathic Scoliosis Spine. Volume 13, No. 12, December 1988. pp. 1378-1382

Boral LI, Chairman ISMA Blood Task Force: Survey of Blood Transfusion Practices in Indiana. Indiana Medicine. pp. 621-628. July 1986 (Dr. Trammell is a member of the task force)

Trammell TR, Olvey SE, Reed DB: Championship Car Racing Accidents and Injuries. The Physician and Sports Medicine. 14:114-120. May 1986

Trammell TR, Reed DB, Goodwin CB: Controlled Mobilization of Patients Undergoing Reconstructive Spinal Surgery: Preliminary Comparison of the Kinetic Therapy Table vs. the Foster Frame. Orthopaedics. 8:1489-1491. December 1985

Trammell TR,: Operative Management of Adult Scoliosis. Surgery of the Musculoskeletal System C.M. Evarts Ed. Churchill Livingstone, Inc. New York, 1983. Pp. 4:427-496

Simmons EH, Van Peteghem K, Trammell TR: Onchocerciasis of the Flexor Compartment of the Forearm. A Case Report. Journal of Hand Surgery. 5(5):502-504. September 1980

Capello W, Ireland PH, Trammell TR: Conservative Total Hip Arthroplasty: A Procedure to Conserve Bone Stock. Part I: Analysis of Sixty-Six Patients. Part II: Analysis of Failures. Clinical Orthopaedics, 134:59-74. July-August 1978

ADDITIONAL TRAINING AND COURSES 2002-CURRENT

“Current Techniques in Spinal Deformity Surgery” (Industry Sponsored/Non CME) Miami, FL March 28-29, 2009

“O-Arm System Navigational Technology Workshop” Medtronic, Las Vegas, NV October, 2007

“Prestige Cervical Disc Core Education Course” Indianapolis, IN September 2007

“X-Stop Interspinous Process Decompression System Training Program”, Kyphon, Indianapolis, IN September 2007

“Cervical Arthroplasty” Core Education Course, Memphis TN, August 2007

“Modern Techniques in Spine Deformity Surgery” Scoliosis Research Society Meeting, Monterey, CA September 2006

“Direct Lateral Technique Program” Medtronic, Seattle, WA, September 2006

“Physicians Bone Grafting Options” Medical Education Resources, Littleton, CO August 2006

“Advanced Trauma Life Support” Refresher Course, Indianapolis, IN February 2006

“Artificial Disc Revision Training”, Hands-On Workshop & Symposium, November 2005

“Pain Management: The Online Series”, American Medical Association, October, 2005

“Charite Artificial Disc Training Course”, Cincinnati, OH August 2005

“Dynamic Stabilization System Training for the Lumbar Spine”, Dynesys Training, October 2005

“Minimally Invasive Transforaminal Lumbar Interbody Fusions and Cadaver Workshop”, St. Vincent Hospital, September, 2005

“Pain Management: The Online Series” American Medical Association, July 2005

“Advanced Spine Techniques”, Banff, Alberta, Canada July 2005

“Transforaminal Lumbar Interbody Fixation”, Memphis, TN September, 2004

“Advanced Trauma Life Support” Refresher Course, Indianapolis, IN March 2002

“Bone Grafting Options”, Indianapolis, IN February, 2002

ENGINEERING COURSES

“Vehicle Accident Reconstruction Methods” SAE ID# C0416, ACTAR CEU’s 13, Detroit, MI April 23-24, 2009