

## CURRICULUM VITAE

***Michael F. Coscia, M.D.***

### OFFICE ADDRESS

8450 Northwest Boulevard  
Indianapolis, Indiana 46278  
(317) 802-2000

### EDUCATION

#### UNDERGRADUATE:

White Station High School  
Memphis, Tennessee  
June, 1973

University of Notre Dame  
South Bend, Indiana  
B.S. in Pre-professional Studies  
June, 1977

#### MEDICAL:

Bowman Gray School of Medicine  
Winston-Salem, North Carolina  
Doctor of Medicine  
June, 1981

### POST GRADUATE MEDICAL EDUCATION

#### INTERNSHIP:

General Surgery  
University of Tennessee  
Memphis, Tennessee  
1981-1982

#### RESIDENCIES:

General Surgery  
University of Tennessee  
Memphis, Tennessee  
1982-1983

Orthopaedic Surgery  
Campbell Foundation,  
University of Tennessee  
Memphis, Tennessee  
1983-1986

#### FELLOWSHIPS:

Minnesota Spine Center  
Minneapolis, Minnesota  
Drs. R.B. Winter, J.E. Lonstein, F. Denis  
1986-1987

Twin Cities Scoliosis Center/  
University of Minnesota  
Drs. E.S. Bradford, J.W. Ogilvie, R.C.  
Thompson, E.E. Transfedt  
1986-1987

A-O Spine Fellowship  
Drs. M. Aebi, F. Magerl  
St. Gallen and Bern, Switzerland  
1987

**BOARD CERTIFICATION**

American Board of Orthopaedic Surgery, 1990  
Re-certification, 2008  
-certification in effect through 2020

**EXTENDED CENTER VISITS**

Hospital Hotel - Dieu  
Marseille, France  
Prof. Rene Louis  
October, 1987

Swiss National Spinal Cord Injury Center  
Basel, Switzerland  
Dr. Dick and Prof. Morscher  
October, 1987

Swiss National Sports Medicine Center  
Maglingen, Switzerland  
Dr. Roli Biedert  
October, 1987

Primario Ortopedico Ospedale S. Corona  
Pietra Ligure, Italy  
Prof. Alberto Ponte  
December, 1987

Institute Ortopedico Rizzoli  
Bologna, Italy  
Prof. Mario Campanacci  
September, 1987

Department of Orthopaedic Surgery  
Hong Kong University  
August, 1990

Department of Orthopaedic Surgery  
University of Singapore  
August, 1990

Centre Medico-Chirurgical de re adaptation des  
Massues  
92, rue Edmond Locard  
69322 Lyon Cedex 05, France  
Dr. Pierre Roussouly  
April, 2000

## **OUTSIDE INTERESTS**

U.S. Modern Pentathlon Olympic Development  
Clinic Training, 1972-1976  
Fort Sam Houston, Texas  
(Running, Swimming, Pistol Shooting, Fencing,  
Horseback Riding)

Triathlon National Championships  
National Pistol Shooting Record, 1973  
Stanford University, Palo Alto, California  
(Running, Swimming, Pistol Shooting)

U.S. Modern Pentathlon Olympic Trials  
20th Place - June, 1976  
Fort Sam Houston, Texas

National Riflery Association  
Master Level Pistol Competition, 1976

Member Varsity Teams - University of  
Notre Dame  
Cross-Country: 1973, 1974  
Track: 1974, 1975  
Fencing: 1974, 1976, 1977

Member NCAA National Fencing Championship  
Team, 1977  
University of Notre Dame  
Weapon: Epee

Qualifier, Open Division, Boston Marathon,  
1977  
(Grand Rapids, Michigan 1976 - 2:57)

## **APPOINTMENTS – Academic**

Assistant Professor - Indiana University School of  
Medicine  
Department of Orthopaedic Surgery  
1988 to 1990

Clinical Assistant Professor - Indiana University  
Department of Orthopaedics  
1991 to Present

American Board of Orthopaedic Surgery Oral  
and Re-certification Examiner  
1999 to Present

**APPOINTMENTS – Clinical**

Orthopaedics Indianapolis, P.C.,  
Indianapolis, IN  
Chairman of Education Committee –  
2001 to 2006

Indiana University Hospital, Indianapolis, IN  
Attending Physician - 1988 to 1990

Veterans Administration Medical Center,  
Indianapolis, IN  
Attending Physician - 1988 to 1990

Riley Children's Hospital, Indianapolis, IN  
Attending Physician - 1988 to 1990

Wishard Hospital, Indianapolis, IN  
Attending Physician - 1988 to 1990  
Courtesy Staff - 1991 to present

Methodist Hospital, Indianapolis, IN  
Active Staff - 1991 to present

St. Vincent's Hospital, Indianapolis, Indiana  
Active Staff - 1991 to present

Indiana University/Moi University Partnership  
Program, Eldoret Kenya  
Orthopaedic Surgery Consultant - 2004 to  
present

Alaska Native Medical Center, Anchorage,  
Alaska  
Orthopaedic Spine Surgery Consultant -  
1996 to present (2-3 times per year, week  
long visits)

Indiana Pacers NBA Basketball team  
Spine Consultant – 1994 to present

Butler University, College of Pharmacy and

Health Sciences, Indianapolis, Indiana  
Adjunct Faculty (Physician Assistant B.S.  
Program) – 2001 to 2008

## **LICENSURE**

Minnesota #0299345 (National Boards)  
Indiana #01035965 (National Boards)  
Alaska #3845 (National Boards)  
Tennessee #MD014139 (National Boards)

## **HONORS**

Notre Dame Scholar

## **SOCIETY MEMBERSHIPS**

American Academy of Orthopaedic Surgeons  
American Medical Association  
American Association for the Advancement of  
Science  
AO Alumni Association / AO North America  
Indiana State Medical Association  
North American Spine Society  
Indiana Orthopaedic Society  
Scoliosis Research Society – Active Fellow  
Notre Dame Orthopaedic Society

Dr. Tom Dooley Society  
Medical Alumni of Notre Dame  
Life Member

## **COMMITTEE MEMBERSHIPS**

Utilization Review Committee - Indiana University Medical Center, 1990

Surgical Policy Committee - Methodist Hospital, 1993 - 2006

"Neck/Spine" DRG Planning Committee - Methodist Hospital, 1993 - 1994

Indiana Orthopaedic Research Foundation - Secretary/Treasurer,  
1994 – 1999

Spine (Journal) Advisory Editorial Board - 1994 - 1999

Reviewer - 2000

Associate Editorial Board - 2001 - Present

Current Orthopaedic Practice (Journal) Reviewer, 2008 to present

Clinical Orthopaedics and Related Research (Journal) Reviewer,  
2010 to present

Member, Board of Directors, Center for Family Life Ministries, Second  
Presbyterian Church, Indianapolis, Indiana, 1997 - 1999

Clarian Surgery Policy Committee - I.U. Hospital , Riley Children's Hospital, and Methodist Hospital, 1997 – 2002

Board member, Orthopaedic Research Foundation, Inc., Indianapolis, Indiana, 2002 - Present

Scoliosis Research Society - Program Reviewer, 2009-2010

## **PRESENTATIONS**

"Scheuermann's Kyphosis Treated with L-rod Instrumentation," Minnesota Orthopaedic Society, Spring, 1987

"Scheuermann's Kyphosis - Results in 19 Cases Treated by Spinal Arthrodesis and L-rod Instrumentation" by M.F. Coscia, D.S. Bradford, and J.W. Ogilvie. Presented at the AAOS 55th Annual Meeting, Atlanta, Georgia, February, 1988

"Total Vertebrectomy of the Thoracic or Lumbar Spine," 14th Triennial Meeting of the Willis C. Campbell Club, Memphis, Tennessee, October 28, 1988

"Total Vertebrectomy of the Thoracic or Lumbar Spine," 13th Annual Garceau-Wray Lectures, Indianapolis, Indiana, November 4, 1988

"Treatment of Odontoid Fractures with Anterior Screw Fixation," American Spinal Injury Assoc., Las Vegas, Nevada, April 3 - 5, 1989

"Thoracolumbar Spinal Fractures Update and Management," Indiana State Orthopaedic Annual Meeting, Richmond, Indiana, April 7, 1989

"Anterior Screw Fixation of Dens Fractures," Lamplighters Annual Meeting, Indianapolis, Indiana, May 5, 1989

"Back Pain, New Insights," American Physical Therapy Association, Indiana Central District Meeting, May 16, 1989

"Cervical Spine Injuries," Public Health Service Continuing Education, Guest Lecturer, Alaskan Native Health Center, Ketchikan, Alaska, July 1989

"Diagnosis and Treatment of Lumbar Spondylosis and Spinal Stenosis," Office Orthopaedics Course, Indiana University, Indianapolis, Indiana, November 1989

"Pathological Fractures of the Spine," Indiana Bone and Joint Club, Indianapolis, Indiana, April, 25, 1990

"Low Back Pain," Family Practice Update, Indiana University, Indianapolis, Indiana, April 26, 1990

"The Rogozinski: Lumbar Spinal Instrumentation System - Preliminary Results," Willis C. Campbell Club Triennial Meeting, Memphis, Tennessee, October 10-12, 1991

"Back Injuries and Rehabilitation for Athletes," Indiana Trainers Association Fall Symposium, Indianapolis, Indiana, October 24, 1991

"Functional Back Pain," Grand Rounds, Ft. Benjamin Harrison, Indianapolis, Indiana, February 5, 1992

"AO Internal Fixator for Treatment of Thoracolumbar Spinal Fractures 21 Pts." and "Preliminary Results of 72 Pts. in the Use of the Rogozinski Instrumentation in Lumbar Spinal Fusion" by M.F. Coscia and T.R. Trammell. Presented to the Indiana Orthopaedic Society, Columbus, Indiana, April 17, 1992

"Primary Evaluation of Low Back Pain," American College of Physicians - Indiana Scientific Meeting, Indianapolis, Indiana, November 13, 1992

"Back Pain - What Does It Mean?" Neurology and the Primary Care Physician, Methodist Hospital, Indianapolis, October 8, 1993

"Dermatomal Somatosensory Evoked Potential Monitoring in Elective Lumbar Spinal Surgery with Pedicular Instrumentation," Indiana State Orthopaedic Society Meeting, Indianapolis, Indiana, March 18, 1994

"Spine Controversy - Point/Counterpoint Pedicle Screw Fixation," Midwest "Indy 500" Complications in Orthopaedic Trauma Conference, Indianapolis, Indiana, May 12-14, 1994

"Orthopaedic Surgical Care in Cameroon Africa," Central Indiana Association of Orthopaedic Nurses, Indianapolis, Indiana, November 15, 1994

Guest Lecturer: Cervical Spinal Fractures and Thoracic and Lumbar Spinal Fractures, Seventh Annual David M. Miller, M.D. Memorial Symposium, St. John's Regional Health Center, Springfield, Missouri, September 15, 1995

"The Endoscopic Thoracoabdominal Approach to the Upper Lumbar Spine - A New Approach" by Dietz J., Schwartz D., Coscia M., Trammell T., 4th International Meeting on Advanced Spine Techniques, July 10 - 13 1997, SRS Sponsored, Bermuda

"Adolescent Lumbar Intervertebral Disc Herniations - To Fuse or Not to Fuse?" Garceau - Wray Lectures, Indianapolis, Indiana, October 17, 1997

"Children with Cerebral Palsy: Current Trends and Issues - Management of Scoliosis," Indiana University Medical Center, Indianapolis, Indiana, November 8, 1997

"Complications of Posterior Thoraco - Lumbar Spinal Instrumentation," 3rd Annual Indiana Spine Trauma Symposium, Indianapolis, IN, May 2, 1998

"Does Obesity Affect the Outcome of Spinal Surgery?" by J.W. Dietz, D.G. Schwartz, M.F. Coscia, T.R. Trammell, K.Y.K. Laung, A.A.O.S. 65<sup>th</sup> Annual Meeting, New Orleans, LA, March 1998

"Lumbosacral Fusions: Posterior or 360°," 23rd Annual Garceau-Wray Orthopaedic Lectures, Indianapolis, Indiana, October 8-9, 1998

"Physical Examination and Diagnosis of Lesions in the Cervical Spine," AAOS Orthopaedic Physicians Assistant's Course: contemporary Issues in Orthopaedic Surgery #3180, Indianapolis, IN, August 19, 1999

"Spondylolisthesis" and "Degenerative Disc Disease in the Lumbar Spine," Sports Medicine and the NBA, The American Orthopaedic Society for Sports Medicine, Miami, FL, November 17-19, 2000

"Chronic Spinal Pain," The Orthopaedic Research Foundation Pain Management Symposium, Indianapolis, IN, November 1, 2002

"Low Virulence Bacterial Infections of Intervertebral Discs and Resultant Spinal Disease Processes," Scoliosis Research Society, Quebec, Canada, September 2003

"Typing of Propionibacterium Acnes by Amplified Fragment Length Polymorphism," Lasbury, ME; Coscia, MJ; Denys, GA; Lee, DN; and Allen, SD. An Aerobe Society of the American Congress, Annapolis, MD, July 18-21, 2004

"Pre-Season MRI Scan Predictability of Lumbar Spinal Injury in High School, College and Professional Basketball Player Populations", by Remley, KB; Coscia, MF; Thomas, E; Davis, K; Dorwart, R; and Fitzpatrick, K. American Society of Spine Radiology, 9<sup>th</sup> Annual Scientific Symposium, LasVegas, NV, February 2006.

"Spinal Evaluation and Trauma", M.F. Coscia presented for the Department of Orthopaedic Surgery Grand Rounds, Indiana University School of Medicine, Indianapolis, August 30, 2006.

"Spinal Fusion—Indications and Outcomes", M.F. Coscia presented for the Department of Orthopaedic Surgery Grand Rounds, Indiana University School of Medicine, Indianapolis, September 27, 2006.



“Spinal Infections”, M.F. Coscia presented for the Department of Orthopaedic Surgery Grand Rounds, Indiana University School of Medicine, Indianapolis, November 6, 2006.

“Spine Anatomy”, M.F. Coscia presented for the Department of Orthopaedic Surgery Grand Rounds, Indiana University School of Medicine, Indianapolis, February 21, 2007.

“Spondylolysis, Lumbar Disc Disease in Athletes—Spine Panel” presented by M. F. Coscia with Dr. Henry Feuer, Neurosurgery, at the 2007 51<sup>st</sup> Annual Meeting of the Indiana Orthopedic Society in Belterra, IN on April 28, 2007.

“Magnetic Resonance Imaging and Back Pain in the Basketball Player Population” M. F. Coscia presented at the 2007 51<sup>st</sup> Annual Meeting of the Indiana Orthopedic Society in Belterra, IN on April 28, 2007.

“Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully With Femoral Ring Allografts For Stand-alone Anterior Lumbar Interbody Fusion? A Quantitative Computed Tomography Study” M.F. Coscia presented at the 2007 51<sup>st</sup> Annual Meeting of the Indiana Orthopedic Society in Belterra, IN on April 28, 2007.

Biomechanical Testing on PEEK Rods; Sheep: All treatment groups, Mystique Study, Hydrosorb Study, Longitude Study: Percutaneous Stabilization in Trauma Patients Prestige Study poster presentation at the 2007 St. Vincent Research Symposium, Indianapolis, June 13, 2007.

“Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully With Femoral Ring Allografts For Stand-alone Anterior Lumbar Interbody Fusion? A Quantitative Computed Tomography Study” by T.R. Trammell, D. Schwartz, K.B. Remley, C. Graf, M. Coscia, J. Deitz, J. Riina, K. Fitzpatrick presentation to the Indiana Orthopedic Society, Belterra, IN. April 26-28, 2007.

“Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully With Femoral Ring Allografts For Stand-alone Anterior Lumbar Interbody Fusion? A Quantitative Computed Tomography Study” by T.R. Trammell, D. Schwartz, K.B. Remley, C. Graf, M. Coscia, J. Deitz, J. Riina, K. Fitzpatrick presentation to the Indiana University Medical School Garceau-Wray Presentations. Indianapolis, IN. June 7-8, 2007.

“Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully With Femoral Ring Allografts For Stand-alone Anterior Lumbar Interbody Fusion? A Quantitative Computed Tomography Study” by T.R. Trammell, D. Schwartz, K.B. Remley, C. Graf, M. Coscia, J. Deitz, J. Riina, K. Fitzpatrick poster presentation to the Congress of Neurological Surgeons Joint Meeting with Società Italiana di Neurochirurgia, Rome Italy, June 24-27, 2007.

“Updates on Bone Morphogenetic Protein, Bone Grafting, Substitutes, and Biologics” by M. Coscia. Presented at the American Society of Orthopedic Physician’s Assistants in Indianapolis, IN, July 23, 2007

“History of Spine Surgery” by M. Coscia. Presented at the American Society of Orthopedic Physician’s Assistants in Indianapolis, IN, July 23, 2007

“Can Recombinant Human Bone Morphogenetic Protein Be Used Successfully With Femoral Ring Allografts For Stand-alone Anterior Lumbar Interbody Fusion? A Quantitative Computed Tomography Study” by T.R. Trammell, D. Schwartz, K.B. Remley, C. Graf, M. Coscia, J. Deitz, J. Riina, K. Fitzpatrick presentation to the Congress of Neurological Surgeons. San Diego, CA. September 15-20, 2007

Indiana University Department of Orthopaedic Surgery, Grand rounds, 1. Back Pain, 2. Intervertebral Discs, 3. Spinal Infections 4. Spinal Anatomy 5. Spinal Stenosis, 2008 - 2009

#### **MEETINGS/COURSES ATTENDED**

AAOS 51st Annual Meeting, Atlanta, Georgia, February 9-14, 1984  
AAOS International Course on The Foot in Children in Adults, Durham, North Carolina, April 1982

AO Basic Course in Internal Fixation, Chicago, Illinois, September 1984

Advanced Technologies in Total Hip Replacement, Memphis, Tennessee, April 1985

Spine Problems: Controversies and Update, Minneapolis, Minnesota, July 1985

Northwestern Prosthetics Course, Chicago, Illinois, March 1986

AAOS 53rd Annual Meeting, San Francisco, California, January 1987

AO Advanced Course, Davos, Switzerland, December 1987

Southwestern Orthopaedic Surgery Review, Dallas, Texas, June 5-7, 1987

AAOS 54th Annual Meeting, Atlanta, Georgia, February 6-7, 1988

The 101st Annual Meeting of the American Orthopaedic Association, Hot Springs, Virginia, June 20-23, 1988

Industrial Rehabilitation, Keith L. Blakenship, P.T., Memphis, Tennessee, August 10-13, 1988

Scoliosis Research Society, 23rd Annual Meeting, Baltimore, Maryland, September 29 - October 2, 1988

AAOS Basic Course for Orthopaedic Educators, Monticello, Illinois, November 12-18, 1988

AAOS Cervical Spine: Current Concepts, Boston, Massachusetts, March 31 - April 2, 1989

First International Olympic Committee Congress on Medical Sciences, Colorado Springs, Colorado, October 28 - November 3, 1989

8th Regional Review Course in Hand Surgery, Indianapolis, Indiana, November 4-5, 1989

AAOS Comprehensive Review Course for Orthopaedic Surgeons, Chicago, Illinois, March 25-30, 1990

Osteoporosis in the 1990's, Indiana University, May 10, 1990

Batman Lectures: Dror Paley Ilizarov Instrumentation, Indianapolis, Indiana, May 17-18, 1990

SRS/NASS Advanced Course on Spinal Pedicular Instrumentation, Phoenix, Arizona, May 3-4, 1991

Cotrel-Dubousset Spinal Update Course, Chicago, Illinois, April 20, 1991

Scoliosis Research Society 25th Anniversary Meeting, Minneapolis, Minnesota, September 24-27, 1991

North American Spine Society, Boston, Massachusetts, July 9-11, 1992

AAOS Course: Lumbar Spinal Fusion, Chicago, Illinois, April 17, 1993

18th Annual Garceau-Wray Orthopaedic Lecturers, Indiana University Medical Center, Indianapolis, Indiana, November 11-12, 1993

"Minimally Invasive Approaches to Thoracic and Lumbar Spine Surgery," Endo-Surgery Institute, University of Cincinnati: Cincinnati, Ohio, June 30-July 1, 1995

North American Spine Society Annual Meeting, Washington, D.C., October 18-21, 1995

American Academy of Orthopaedic Surgeons, Atlanta, Georgia,  
February 23-25, 1996

Garceau-Wray Orthopaedic Lectures, Indiana University Medical Center,  
Indianapolis, Indiana, November 7-8, 1996

"What Progress Have We Made In Treating Spinal Deformity in the Last  
Ten Years" SRS Course, St. Louis, Missouri, September 24, 1997

Scoliosis Research Society, 32nd Annual Meeting, St. Louis, Missouri,  
September 25-27, 1997

Scoliosis Research Society Thoracic Pedicle Screw Site Visit with Law-  
rence Lenke, M.D., St. Louis, Missouri, July 23, 2001

Scoliosis Research Society, 36<sup>th</sup> Annual Meeting, Cleveland, Ohio,  
September 8-14, 2008.

Fundamental of Spinal Deformity, Scoliosis Research Society, Instructional  
Course, Cleveland, Ohio, September 19, 2001

Faculty Clinical Research Training Seminar, IU School of Medicine,  
Indianapolis, IN, September 28, 2001

Human Participants Protection Education for Research Teams, Online Course,  
Sponsored by the National Institute of Health (NIH), January 16, 2002

Bone Grafting Options in the Lumbar Spine, Indianapolis, Indiana, Sponsored  
by Medical Education Resources, February 2, 2002

Smallpox: What Every Clinician Should Know, Indianapolis, Indiana,  
Sponsored by Center for Disease Control, July 13, 2002

Cervical Spine Research Society Annual Meeting, Miami, FL, December 2002

Scoliosis Research Society Annual Meeting, Quebec, Canada and Course:  
Spondylolysis and Spondylolisthesis, September 10-13, 2003

SIGN (Nail) Foundation International Annual Conference, Kadlec Medical Cen-  
ter, Richland, WA, September 18, 2004

Scoliosis Research Society 41<sup>st</sup> Annual Meeting, Monterey, CA, September 14-  
16, 2006.

51<sup>st</sup> Annual Meeting of the Indiana Orthopedic Society in Belterra, IN on April  
27-28, 2007.

Scoliosis Research Society, 43rd Annual Meeting, Salt Lake City, Utah,

September 10-13, 2008

Campbell Club 100th Anniversary Triennial Meeting, Memphis, TN  
April 2009

Scoliosis Research Society 46th Annual Meeting, Louisville, KY,  
Sept. 14-17, 2011

Scoliosis Research Society 47<sup>th</sup> Annual Meeting, Chicago, IL,  
September 6-8, 2012

### **GRANTS, FELLOWSHIPS, AND AWARDS**

Evaluation of the Integrated Shape Imaging System (ISIS) Spinal Topographical Monitor and its Efficacy in Scoliosis Management; Buckman Trust Foundation, Memphis, Tennessee, June 1985, (\$21,000)

The Effect of Cotrel-Dubouset Instrumentation of Changes in Vertebral Rotation, Rib Hump, Lung Volume, and Lung Function Following Surgery for Idiopathic Thoracic Scoliosis, Twin Cities Scoliosis Fund, Minneapolis, Minnesota, December 1986, (\$15,000)

The Guinea Pig as a Model for Posterior Spinal Fusion, Indiana University, Indianapolis, Indiana, October 1989, (\$5,000)

"Clinical Evaluation of Texas Scottish Rite Lumbar Pedicular Spinal Instrumentation System." Drs. Michael F. Coscia and Terry R. Trammell. Indiana Orthopaedic Research Foundation \$80,000 3 year grant at Methodist Hospital, Indianapolis, Indiana, April 1993 - March 1996.

"Pre-Season MRI Scan Predictability of Lumbar Spinal Injury in High School, College, and Professional Basketball Player Population." Dr. Michael Coscia, et al, St. Vincent Hospital Foundation, Indianapolis, Indiana, 2002, (\$134,000.00)

"An Open-Label, Randomized, Parallel – Group Study to confirm the Safety and Efficiency of Procrit (Epeotin Alfa) Administered Perioperatively vs. The Standard of Care in Blood Conservation in Subjects Undergoing Major Elective Spinal Surgery." Drs. Michael F. Coscia, John W. Dietz, Robert J. Huler, Joseph Riina, David G. Schwartz, and Terry R. Trammell. Ortho Biotech Products, L.P., 2002, (\$108,000.00)

"Low Virulence Bacterial Infections of Intervertebral Discs and Vertebral Bodies and the Resultant Spinal Disease Processes." Dr. Michael F. Coscia, et al., Methodist Health Foundation, 2002, (\$49,530.00)

"The Efficiency of a Structured Functional Conditioning Physical Education Program in Improving Physical Fitness Indicators in School Age Indiana Children." Dr. Michael Coscia, et al., 2002-2003, St. Vincent Sports Medicine (\$5,000.00), Theraband Corporation (\$2,500.00), Medtronic/ Cardiovascular (\$2,500.00)

"Low Virulence Bacterial Infections/Colonizations of Intervertebral Discs and Resultant Disease Processes" Phase II. Dr. Michael F. Coscia, et al., Methodist Research Institute, 2004 (\$30,999.60)

"A Prospective Study of the Use of a Newly Designed Generic Intramedullary Nail in the Treatment of 100 Tibial and Femoral Shaft Fractures in an East African Referral Hospital with a Continuous Internet USA Connection" M. Coscia, L. Lelei, L. Zirkle, T. Weber, B. Rougraff, \$30,000.00 for two year grant from Methodist Research Foundation

## **JOURNAL PUBLICATIONS**

Poehling G., DeTorre JB, Coscia, MF, Pedraza H. Roentgenographic evaluation of ankle fractures. *Orthop Trans*, 6:454-5, 1982

Schiess RJ, Coscia MF, McClennan, GA. Petriellidium Boydii Pachymeningitis treated with miconazole and ketoconazole. *Neurosurgery*, 14:220-224, 1984

Coscia, MF, Edmonson A, Pitcock J. Paravertebral synovial Osteochondromatosis: a case report. *Spine*, 11:82-87, 1986

Beaty JH, Ingram AJ, Coscia MF. Absent anterior tibial compartment in congenital clubfoot. *Orthop Trans*, 11:513, 1987

Maguire JK, Coscia MF, Lynch MH. foreign body reaction to polymeric debris following total hip arthroplasty. *Clin Orthop*, 216:213-223, 1987

Coscia MF, Bradford DS, Ogilville JW. Scheuermann's Kyphosis: Results in nineteen cases treated by spinal arthrodesis and L-rod instrumentation. *Orthop Trans*, 12:255, 1988

Aebi M, Etter C, Coscia MF. Fractures of the Odontoid Process: Treatment with Anterior Screw Fixation. *Spine*, 14:1065-1070, 1989

Transfeldt EE, Bradford DS, Coscia MF, Cohen M, Thompson P. Changes in Segmental Coupling and Vertebral Rotation Follow Cotrel-Dubousset for Idiopathic Scoliosis. *Orthop Trans*, 13:80, 1989

Etter C, Coscia MF, Jaberg J, Aebi M. Direct Anterior Fixation of Dens Fractures with a Cannulated Screw System. *Spine*, 16:S25-S32, 1991

Coscia MF, Baum J. Thoracolumbar Spinal Injury. Orthop. Consultation, 12:6, 1991

Coscia MF, Trammell TR, Haines N. Thoracolumbar Spinal Fractures - Concepts of Treatment. Ind Med, December 1991

Coscia MF, Hormuth DA, Huang W. Back Pain Secondary to Esophageal Perforation in an Adolescent. Spine, 17:1256-1259, 1992

Pritchard, J.C. and Coscia, MF: Infection of a Charcot Spine. Spine 18:764-767, 1993

Coscia MF, Strate RW. Calcified Thoracic Disc Herniation with Paraparesis. A case report. Acta Orthop Scan, 64:489-490, 1993

Coscia MF, Leipzig T, Cooper D. Acute Cauda Equina Syndrome- Diagnostic Advantage of MRI. Spine, 19:475-478, 1994

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. J. Spinal Disorders, Vol.8, No.6, 451-456, 1995

Coscia, MF. Pediatric Chance Fracture Secondary to Pedicle Screw Use: A case report. Spine, November 15, 1997

Two case reports. Coscia, MF, Broshears, JR. Lumbar Spine Intracanalicular Discal Cysts. Journal of Spinal Disorders & Techniques, Vol. 15 No. 5, 431-435, 2002

Coscia, MF, Trammell, TR. Pyogenic Lumbar Facet Joint Arthritis with Intradural Extension. A case report. Journal of Spinal Disorders & Techniques, Vol. 15, No. 6 526-528, 2002

## **PARTICIPATING ACTIVITIES**

Official Physician in Olympic Track and Field Trials, Indianapolis, Indiana, July 1988

FDA Trial of AO-Synthes Spinal Internal Fixator Study, September 1988-1992

Physician, NCAA Indoor National Championships, Indianapolis, Indiana, March 10-11, 1989

Triathlon Federation Medical Committee Member, Indiana Representative 1988-1989

FDA Trial of Richards - Rogozinski Spinal Instrumentation.  
April 1991-1994

Official Physician, Gymnastics World Championships, Indianapolis, Indiana,  
September 1991

Volunteer Medical Missionary, Presbyterian Church USA, Cameroun, Africa,  
November 1991

Physician for 1993 NCAA Indoor Track & Field Championships,  
Indianapolis , Indiana, March 12-13, 1993  
FDA 1993-1994 Historical Cohort Study of Pedicle Screw Fixation in  
Thoracic, Lumbar, and Sacral Fixation

Physician for: Phillips 66 U.S.A. National Swimming Championships, Indi-  
anapolis, Indiana, August 14-20, 1994

Medical Staff, Indianapolis Motor Speedway "Indy 500,"  
May 1995 - 2000

Staff Physician, Indianapolis Motor Speedway "Brickyard 400,"  
August 1995 - 2000

Primary Investigation for the FDA - Sonofamor DANEK "Tapered  
Interbody Fusion System: Laparoscopic Lumbar Spinal Fusion Study,"  
1996 - 2000

Physician for coverage of U.S. Olympic Swimming Trials, Indianapolis, IN,  
March 6-12, 1996

Physician for coverage of the World Basketball Championships, Indianap-  
olis, IN, August 29- September 8, 2002

Visiting orthopaedic surgeon Indiana University/Moi University Partnership  
Program, Eldoret Kenya, June 2004

Physician for coverage of 2004 Short Course World Swimming Champi-  
onships, Indianapolis, IN, October 7-11, 2004