

Mario P. Brkaric, MD

Co-Director

Indiana Spine Center

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Education:

Spinal Surgery Fellowship- Harry N. Herkowitz, M.D. 2005-2006
William Beaumont Hospital- Royal Oak, Michigan

State University of New York- Downstate Medical Center 2000-2005
Orthopaedic Surgery Residency

State University of New York Health Science Center at Brooklyn 1996-2000
Medical Doctorate

New York University 1992-1996
Bachelor of Arts, Biology- Partial Academic Scholarship

Relevant Work Experience:

Research Assistant, Department of Anesthesiology.
New York Methodist Hospital. Brooklyn, NY 1993 - 1996.

Awards:

Recipient of the John H. Moe Award for best Basic Science Poster presentation at the 2002 Scoliosis Research Society Annual Meeting. Attenuation of ciliary neurotrophic factor in acute spinal cord injury treated with intravenous methylprednisolone.

Dr. Christopher Pavlides Award for Excellence in Orthopaedic Surgery for 2000 at the State of New York Downstate Medical Center, May 3, 2000.

Peter Cyrus-Rizzo Research Fellowship. Department of Orthopaedic Surgery, Saint Vincent's Hospital and Medical Center, New York City. Summer 1997.

Publications:

Kubeck J, Merola A, Mathur S, **Brkaric M**, Majid K, Shanti N, Caruso S, Yuan S, Lowe T, Dwyer A, Haheer T, O'Brien M. End organ effects of high dose human equivalent methylprednisolone in a spinal cord injury rat model. *Spine* 2006, February 1; 31(3): 257-61.

Mathur S, Shanti N, **Brkaric M**, Sood V, Kubeck J, Paulino C, Merola A. Surfing for Scoliosis: The quality of information available on the internet. *Spine* 2005 Dec 1; 30(23):2695-700.

Merola A, Castro BA, Alongi P, Mathur S, **Brkaric M**, Vigna F, Riina JP, Gorup J, Haheer T. Anatomic consideration for standard and modified techniques of cervical lateral mass screw placement. *The Spine Journal*. 2002 Nov-Dec; 2(6): 430-5.

Merola, A., Haher, T., **Brkaric, M.**, Panagopoulos, G., Mathur, S., Lowe, T., Lenke, L., Wenger, D., Newton, P, Clements D 3rd, Betz, R. A multicenter study of the outcomes of the surgical treatment of adolescent idiopathic scoliosis using the Scoliosis Research Society (SRS) outcome instrument. *Spine*. 2002 Sep 15;27(18):2046-51.

Nguyen V, Tornetta P III, **Brkaric M.** “Publication rates for the scientific sessions of the Orthopaedic Trauma Association.” *Journal of Orthopaedic Trauma* 1998 Sep-Oct; 12(7); 457-459. Discussion 456.

Merola A., Mathur S., **Brkaric M.**, O’Brien M., Haher T., Lamba A., Chejsec G., Espat J. Attenuation of CNTF after intravenous administration of Methylprednisolone in spinal cord injury model. Submitted to *Spine* for publication; in first revision.

Brkaric M, Baker KC, Israel R, Harding T, Montgomery DM, Herkowitz HN. Retrieval and analysis of failed bioabsorbable anterior cervical fusion plate system. Submitted to *Spine* for publication.

Presentations:

Andrew A. Merola MD, Peter O. Newton MD, Michael F. O’Brien MD, Thomas R. Haher MD, Thomas G. Lowe MD, Lawrence Lenke MD, Alvin Crawford MD, Randal Betz MD, David Clements MD, Daniel Sucato MD, Paul Sponseller MD, Barron Lonner MD, Steven A. Caruso MEng, Justin Kubeck MD, Nael Shanti MD, **Mario Brkaric MD**, Michelle Marks PT. Lumbar Sagittal Plane Alignment with Respect to Instrumentation Type and Surgical Technique. E-Poster Presentation at 12th annual IMAST 2005 – Banff, Alberta, Canada. E-Poster at the 2005 Annual Meeting of the Scoliosis Research Society in Miami, Florida.

Brkaric M, Merola A, Mathur S, Kubeck J, Caruso S, Paulino C, Shanti N, Sood V, Majid K. Surfing for Scoliosis: The quality of information on the internet. Poster P328 at the 2005 annual meeting of the American Academy of Orthopaedic Surgeons, Washington, D.C. Poster presentation at the 2004 Scoliosis Research Society in Buenos Aires, Argentina.

Kubeck J, Majid K, Mathur S, **Brkaric M**, Paulino C, Caruso S, Yuan S, O’Brien M, Lowe T, Dwyer A, Haher T, Merola A.. End organ effects of high dose human equivalent methylprednisolone in a spinal cord injury rat model. Platform presentation at the 2004 Scoliosis Research Society in Buenos Aires, Argentina.

Merola, A, **Brkaric, M.**, Mathur, S., Haher, T, Kubeck, J, Espat, J. Mutations in exon 12 of the aggrecan gene and the phenotypic manifestations in idiopathic scoliosis. Paper presentation at the Scoliosis Research Society 2003, Quebec City, Canada. Finalist for the Hibbs Award.

Merola, A., Mathur, S., **Brkaric, M.**, O’Brien, M., Haher, T., Lamba, A., Chejsec, G., Espat, J. Attenuation of CNTF after intravenous administration of Methylprednisolone in spinal cord injury model. Paper presentation at the Scoliosis Research Society in 2002, Australia.

Merola, A., Haheer, T., **Brkaric, M.**, Panagopoulos, G., Lenke, L.G., Betz, R.R., Lowe, T.H. Complication rates and correlation to clinical outcomes in the surgical treatment of adolescent idiopathic scoliosis. Presented at the 2001 annual meeting of the Scoliosis Research Society, Cleveland.

Merola, A., Haheer, T., **Brkaric, M.**, Panagopoulos, G., Lenke, L.G., Betz, R.R., Lowe, T.H. Multi-center prospective study of the surgical treatment of adolescent idiopathic scoliosis utilizing the Scoliosis Research Society outcomes instrument. Presented at the 2000 SRS meeting in Cairnes, Australia and poster presentation at the American Academy of Orthopaedic Surgery in Orlando on March 2000.

Haronian, E., Merola, A., **Brkaric, M.**, Carusso, S., Sclafani, S., Haheer, T. Thoracic pedicle screw placement; A cadaveric and radiographic study using computed tomography (CT) scans. Poster presentation at the 13th annual meeting of the North American Spine Society, San Francisco.

Merola, A., Riina, J., Castro, A., **Brkaric, M.** Anatomy of the cervical spine. Grand Rounds at SUNY Health Science Center at Brooklyn on January 1999.