

Curriculum Vitae

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I. DEMOGRAPHICS

Preliminary Education

Lutheran High School South St. Louis, Missouri	
Boston College Boston, Massachusetts	1979-1980
Washington University - St. Louis, Missouri Major: Biology Minor: Performing Arts B.A. 1983 Honors: Summa Cum Laude Phi Beta Kappa Commencement Marshall	1980-1983

Medical School

The Johns Hopkins University School of Medicine Baltimore, Maryland M.D. Degree 1987	1983-1987
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Postdoctoral Education

Internship - General Surgery Johns Hopkins Hospital Baltimore, Maryland	1987-1988
Residency - Orthopaedic Surgery Johns Hopkins Hospital Baltimore, Maryland	1988-1992
Fellow - Division of Spine Surgery Department of Orthopaedic Surgery Johns Hopkins Hospital Baltimore, Maryland	1992-1993

Appointments/Positions

Instructor - Division of Spine Surgery Department of Orthopaedic Surgery Johns Hopkins Hospital Baltimore, Maryland	1993
Spine Surgeon Missouri Bone and Joint Center	1993-2002

St. Louis, Missouri	
Assistant Professor - Department of Orthopaedic Surgery St. Louis University School of Medicine St. Louis, Missouri	2000-2005
Spine Surgeon The Orthopedic Center of St. Louis St. Louis, Missouri	2002-
Consulting Editor Journal of Spinal Disorders & Techniques Philadelphia, Pennsylvania	2003-
Consultant – Clinical Events Committee Applied Spine Technologies, Inc. New Haven, Connecticut	2006-2009
Peer Reviewer – Spine Arthroplasty Society SAS Journal Philadelphia, Pennsylvania	2007-
Member/Lumbar Total Disc Replacement (LDR) Guideline Work Group Spine Arthroplasty Society	2007- 2010
Co-Chairman – Value Task Force North American Spine Society	2009 - 2010
Co-Clinical Chairman 11 th Annual Meeting International Society for the Advancement of Spine Surgery	2011

Hospital Affiliations

St. Louis Spine and Orthopedic Surgery Center
1130 Town and Country Commons
Town and Country, MO 63017

Barnes Jewish West County Hospital
12634 Olive Blvd.
St. Louis, MO 63141

Missouri Baptist Medical Center
3015 North Ballas Rd.
St. Louis, MO 63131

DePaul Health Center
12303 DePaul Dr.
St. Louis, MO 63044

Board Certification/Licensure

Missouri 1987 - 36909 (Current)
Maryland 1989 - D38746 (Inactive)
Board Certified - July 11, 1997

II. RESEARCH EXPERIENCE

Studies to confirm that osteoclasts are derived from circulating mononuclear cells
Directed by Louis Avioli, M.D.
Professor of Endocrinology
Division of Bone and Mineral Metabolism
Washington University
St. Louis, Missouri
Summer 1980

Evaluating rejection in vascularized bone allografts
Directed by Andrew Weiland, M.D.
Professor of Orthopaedic Surgery
Hospital for Special Surgery
New York, New York
Summer 1986

Analysis of bone metabolism after lethal irradiation and bone marrow
transplantation
Directed by James Michelson, M.D.
Associate Professor of Orthopaedics
Johns Hopkins Hospital
Baltimore, Maryland
1988

A Prospective, Multi-center Investigation of the Safety and
Efficacy of the Ray Threaded Fusion Cage (TFC™) In Anterior
Lumbar Interbody Fusions Using An Open Approach
Sponsor – US Surgical Corporation
Norwalk, Connecticut
January 1998-2000

A Clinical Investigation of Recombinant Human Bone Morphogenetic Protein-2
and Absorbable Collagen Sponge with the NOVUS™ LT Device for Anterior
Lumbar Interbody Fusion in Patients with Symptomatic Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek

Memphis, Tennessee
August 1998 - July 2002

A Pilot Prospective, Randomized Clinical Investigation of Recombinant Human Bone Morphogenetic Protein-2 and Absorbable Collagen Sponge with the NOVUS™ LC Device for Anterior Lumbar Interbody Fusion in Patients with Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
October 1999 - July 2002

A Prospective, Randomized Investigation of Recombinant Human Bone Morphogenetic Protein-2 and Absorbable Collagen Sponge with Allograft Bone Dowel for Anterior Lumbar Interbody Fusion in Patients with Symptomatic Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
August 2000 - July 2003

A Pilot Prospective, Randomized Clinical Investigation of INFUSE™ Bone Graft and MasterGraft™ Granules with the CD Horizon® Spinal System for Posterolateral Lumbar Fusion in Patients with Symptomatic Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
October 2002 - June 2003

A Prospective, Randomized Controlled Study of an Artificial Cervical Disc Versus Anterior Cervical Fusion at a Single Level for Symptomatic Cervical Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
November 2002 - February 2007

A Post-Approval Investigation of the INFUSE™ Bone Graft/LT-CAGE™ Lumbar Tapered Fusion Device for Anterior Open and Laparoscopic Interbody Fusion in Patients with Symptomatic Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
November 2002 - October 2006

A Prospective, Randomized Controlled Clinical Investigation of MAVERICK™ Total Disc Replacement in Patients with Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
May 2003 – January 2011

Continued Access Arm of a Clinical Investigation of MAVERICK™

Total Disc Replacement in Patients with Degenerative Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
September 2004 - January 2011

A Continued Access Study of A Prospective, Randomized, Controlled Study of an Artificial Cervical Disc versus Anterior Cervical Fusion at a Single Level for Symptomatic Cervical Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
October 2004 – June 2008

Low Back Retrospective Surgical SF-36 Study
November 2004 - November 2005

Detecting Nonunion with Metallic Interbody Devices
December 2004 - November 2005

A Prospective, Multicenter, Controlled Clinical Trial of an Artificial Cervical Disc-LP at a Single Level for Symptomatic Cervical Disc Disease
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
February 2005 – August 2014

A Study of Metal Ions in the Continued Access Arm of the MAVERICK™ Total Disc Replacement Clinical Trial
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
September 2005 – January 2011

Metal Ion Study – PRESTIGE® LP Artificial Cervical Disc – Pivotal Study
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
September 2005 – August 2014

Pivotal IDE Study of the Wallis Mechanical Normalization System
Sponsor – Abbott Spine
November 2005 – July 2011

Metal Ion Study – Continued Access Arm of PRESTIGE® LP Artificial Cervical Disc
Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
January 2006 – August 2014

Continued Access Arm of A Prospective, Multicenter, Controlled Clinical Trial of an Artificial Cervical Disc-LP at a Single Level for Symptomatic Cervical Disc Disease

Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
April 2006 – August 2014

A Prospective, Non-Randomized Pilot Clinical Investigation of the A-MAV™ Anterior Motion Segment Replacement in Patients with Lumbar Degenerative Disc Disease

Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
March 2006 – May 2010

A Prospective, Randomized, Controlled Multicenter Pivotal Clinical Trial of the Artificial Cervical Disc-LP at Two Levels for Symptomatic Cervical Disc Disease

Sponsor – Medtronic Sofamor Danek
Memphis, Tennessee
May 2006 – present

A Prospective, Randomized, Controlled Investigation of DIAM™ Spinal Stabilization System in Patients with Lumbar Degenerative Disc Disease

Sponsor – Medtronic Spinal & Biologics
Memphis, Tennessee
December 2006 – present

A Post-Approval Investigation of the PRESTIGE Cervical Disc Device at a Single Level for Symptomatic Cervical Disc Disease

Sponsor – Medtronic Spinal & Biologics
Memphis, Tennessee
December 2006 – May 2013

Prospective Spine Treatment Outcomes Study (ProSTOS)

June 2008 – present

A Non-Randomized, Prospective, Multicenter Feasibility Study of Disc Dynamics DASCOR® Disc Arthroplasty Device in the Treatment of Degenerative Disc Disease

Sponsor – Disc Dynamics, Inc.
Eden Prairie, Minnesota
August 2008 – July 2010

A Prospective, Multi-Center, Randomized, Controlled Clinical Trial Evaluating the Safety and Effectiveness of NUBAC® Disc Arthroplasty

Sponsor – Pioneer Surgical Technology
Marquette, Michigan
October 2009 – March 2013

Clinical Development and Evaluation of the Nociscan™ Diagnostic Software Suite for Post-Processing MRI and MR Spectroscopy (MRS) of Lumbar Intervertebral Discs to Diagnose Disc Pain and Degeneration
Sponsor – Nocimed™, LLC
Redwood City, California
November 2011 – present

Semi-Seated Lumbar Flexion-Extension Studies
Sponsor – Medical Metrics, Inc.
Houston, Texas
December 2014 - present

Post-Approval Study: PRESTIGE LP Cervical Disc
Sponsor – Medtronic Sofamor Danek, USA, Inc
Memphis, Tennessee
January 2015 – present

III. PUBLICATIONS

Peer Reviewed

Gornet MF, Randolph MA, Schofield BH, Yaremchuk, MJ, Weiland AJ:
Immunologic and Ultrastructural Changes During Early Rejection of Vascularized Bone Allografts
Plastics and Reconstructive Surgery 1991; 88:860-868

Michelson JD, Gornet MF, Codd T, Torres J, Lanighan K, Jones R:
Bone Morphology after Bone Marrow Transplantation for Hodgkin's and Non-Hodgkin's Lymphoma
Experimental Hematology 1993; 21:475-482

Owen JH, Kostuik JP, Gornet MF, Petr M, Skelly J, Smoes C, Szymanski J, Townes J, Wolfe F:
The Use of Mechanically Elicited Electromyograms to Protect Nerve Roots During Surgery for Spinal Degeneration
Spine 1994; 19:1704-1710

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:
Anterior Lumbar Interbody Fusion Using rhBMP-2 with Tapered Interbody Cages
Journal of Spinal Disorders and Techniques 2002; 15:337-349

Gornet MF, Burkus JK, Dickman CA, Zdeblick TA:
Recombinant Human Bone Morphogenetic Protein – 2 with Tapered Cages: A Prospective, Randomized Lumbar Fusion Study

The Spine Journal 2 Supplement: 8S – 9S, 2002

Gornet MF, Frey G, Zdeblick TA, Spine Interbody Research Group:
Factors Influencing Return to Work After Single Level Anterior Lumbar Interbody Fusion for Degenerative Disc Disease
The Spine Journal 2 Supplement: 90S, 2002

Burkus JK, Heim SE, Gornet MF, Zdeblick TA:
Is INFUSE™ Bone Graft Superior to Autograft Bone? An Integrated Analysis of Clinical Trials Using the LT-CAGE™ Lumbar Tapered Fusion Device
Journal of Spinal Disorders and Techniques 2003; 16:113-122

Gornet MF, Burkus JK, Zdeblick TA:
rhBMP-2 with Tapered Cages in Patients with Two-Level Degenerative Disc Disease
The Spine Journal 3 Supplement: 106S, 2003

Schuler T, Burkus JK, Gornet MF, Zdeblick TA:
The Effect of Preoperative Disc Space Height on Clinical Outcomes After Anterior Lumbar Interbody Fusion
The Spine Journal 3 Supplement: 109S – 110S, 2003

Burkus JK, Heim S, Gornet MF, Zdeblick TA:
Is rhBMP-2 Superior to Autograft Bone? An Integrated Analysis of Stand-Alone Anterior Interbody Fusion Clinical Trials
The Spine Journal 3 Supplement: 120S, 2003

Gornet MF:
Clinical and Radiographic Outcomes Following Staged Anterior-Posterior Spinal Fusion Using a Vertebral Body Allograft
The Spine Journal 3 Supplement: 130S, 2003

Burkus JK, Schuler TC, Gornet MF, Zdeblick TA:
Anterior Lumbar Interbody Fusion for the Management of Chronic Lower Back Pain: Current Strategies and Concepts
Orthopedic Clinics of North America 2004; 35:25-32

Burkus JK, Heim SE, Gornet MF, Zdeblick TA:
The Effectiveness of rhBMP-2 in Replacing Autograft: An Integrated Analysis of Three Human Spine Studies
Orthopedics 2004; 27:723-728

Gornet MF, Burkus JK:
Recombinant Human Bone Morphogenetic Protein (rhBMP-2) vs. Allograft Bone with Bone Growth Stimulator for Patients with Degenerative Disc Disease

The Spine Journal 4 Supplement: 36S, 2004

Burkus JK, Sandhu H, Gornet MF:

A Radiographic Assessment of Lumbar Allograft Interbody Constructs and the Effect of rhBMP-2 on Allograft Incorporation and New Bone Formation

The Spine Journal 4 Supplement: 36S, 2004

Burkus JK, Gornet MF, Longley M:

A Large Randomized Clinical Evaluation of rhBMP-2 Versus Iliac Crest Bone Graft in Lumbar Spine Fusion

The Spine Journal 4 Supplement: 36S, 2004

Burkus JK, Polly DW, Gornet MF:

Letter to the Editor: Re: Neurological Complications of Lumbar Artificial Disc Replacement and Comparison of Clinical Results with Those Related to Lumbar Arthrodesis in the Literature: Results of a Multicenter, Prospective, Randomized Investigational Device Exemption Study of Charité Intervertebral Disc

Journal of Neurosurgery: Spine 2005; 2:395-398

Burkus JK, Sandhu HS, Gornet MF, Longley MC:

Use of rhBMP-2 in Combination with Structural Cortical Allografts: Clinical and Radiographic Outcomes in Anterior Lumbar Spinal Surgery

Journal of Bone and Joint Surgery 2005; 87:1205-1212

Lebwohl NH, Williams AL, Gornet MF, Burkus JK:

Editorial: Radiographic Evaluation of the Postoperative Interbody Fusion Patient: Is CT the Study of Choice?

American Journal of Neuroradiology 2005; 26:1885-1887

Williams AL, Gornet MF, Burkus JK:

CT Evaluation of Lumbar Interbody Fusion: Current Concepts

American Journal of Neuroradiology 2005; 26:2057-2066

Schuler TC, Burkus JK, Gornet MF, Subach BR, Zdeblick TA:

The Correlation Between Preoperative Disc Space Height and Clinical Outcomes After Anterior Lumbar Interbody Fusion

Journal of Spinal Disorders and Techniques 2005; 18:396-401

Glassman S, Gornet MF, Branch C, Polly D Jr, Pelosa J, Schwender JD, Carreon L:

SF36 Outcomes After Lumbar Spine Fusion: A MultiCenter Experience

The Spine Journal 5 Supplement: 36S – 37S, 2005

Taylor BA, Gornet MF, Burkus JK, Glassman SD, Schuler T:

Clinical and Radiographic Outcomes in Patients Undergoing Posterior Lumbar Interbody Fusion with rhBMP-2 for Revision Disc Surgery
The Spine Journal 5 Supplement: 42S, 2005

Polly D Jr, Branch C Jr, Burkus K, Shaffrey C, Glassman S, Gornet MF, Mathews H, Pelozo J, Sandhu H, Schuler T, Schwender J, The Lumbar Spine Study Group:

SF-36 PCS Benefit/Cost Ratio of Lumbar Fusion Comparison to other Surgical Interventions
The Spine Journal 5 Supplement: 53S, 2005

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA:
MAVERICK Total Disc Replacement: A Review of 12-Month Data from Five Investigational Centers
The Spine Journal 5 Supplement: 57S, 2005

Burkus JK, Gornet MF:
Long Term Prospective Follow-Up in Patients Undergoing Stand-Alone Single Level Anterior Lumbar Interbody Fusion with Threaded Cortical Bone Dowels Comparing rhBMP-2 and Iliac Crest Autograft
The Spine Journal 5 Supplement: 141S, 2005

Glassman S, Gornet MF, Branch C, Polly D Jr, Pelozo J, Schwender JD, Carreon L:
MOS Short Form 36 and Oswestry Disability Index Outcomes in Lumbar Fusion: A Multicenter Experience
The Spine Journal 2006; 6:21-26

Burkus JK, Sandhu HS, Gornet MF:
Influence of rhBMP-2 on the Healing Patterns Associated with Allograft Interbody Constructs in Comparison with Autograft
Spine 2006; 31(7):775-81

Gornet MF, Mathews HH, Burkus JK, Rahn KA, LeHuec JC, Williams AL:
Maverick Total Disc Replacement: A Study of Device Position and Patient Outcomes at Two Years
The Spine Journal 6 Supplement: 65S, 2006

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA, Pelozo JH, Dryer RF:
Maverick Total Disc Replacement: Initial Report of 24-Month Clinical Outcomes from Six Investigational Centers
The Spine Journal 6 Supplement: 66S, 2006

Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL, Schuler TC:
Facet Changes after Maverick Total Disc Replacement: A Study of

Patient Outcomes at 24 Months

The Spine Journal 6 Supplement: 77S-78S, 2006

Glassman S, Gornet MF, Subach B, Schuler T, Schwender J, Carreon L:

Detecting Nonunion With Metallic Anterior Interbody Cages

The Spine Journal 6 Supplement: 89S-90S, 2006

Polly DW Jr, Glassman SD, Schwender JD, Shaffrey CI, Branch C Jr,

Burkus JK, Gornet MF, The Lumbar Spine Study Group:

SF-36 PCS Benefit/Cost Ratio of Lumbar Fusion Comparison to other Surgical Interventions

Spine 2007; 32 (11S):S20-6

Gornet MF, Burkus JK, Mathews HH, Dryer RF, Peloza JH:

MAVERICK™ Total Disc Replacement versus Anterior Lumbar

Interbody Fusion with the INFUSE® Bone Graft/ LT-CAGE® Device:

A Prospective, Randomized, Controlled, Multicenter IDE Trial

The Spine Journal 7 Supplement: 1S, 2007

Gornet MF, Burkus JK, Schuler TC, Kleeman TA, Zdeblick TA:

Long-term Follow Up (48 month) of rhBMP-2/ACS in Lumbar Spine Fusion

The Spine Journal 7 Supplement: 42S, 2007

Traynelis V, Burkus JK, Gornet MF, Jacobs JJ, Skipor AK, Kattner KA:

Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

The Spine Journal 7 Supplement: 54S, 2007

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

The Spine Journal 7 Supplement: 74S, 2007

Carreon L, Glassman S, Schwender J, Subach B, Gornet MF, Ohno S:

Detecting Nonunion with Metallic Anterior Interbody Cages

The Spine Journal 7 Supplement: 100S, 2007

Carreon LY, Glassman SD, Schwender JD, Subach BR, Gornet MF, Ohno S:

Reliability and Accuracy of Fine-cut Computed Tomography Scans to Determine the Status of Anterior Interbody Fusions with Metallic Cages

The Spine Journal 2008; 8(6): 998-1002

Burkus JK, Gornet MF, Glassman SD, Slosar PJ, Rosner MK, Deckey JE:

The Prevalence and Clinical Significance of Antibody Formation in rhBMP-2 Spinal Fusion Studies

The Spine Journal 8 Supplement: 22S, 2008

Gornet MF, Ceola WM, Burkus JK, Skipor AK, Jacobs JJ:

Serum Metal Ion Levels in Patients with a Titanium Ceramic Composite Metal-on-Metal Cervical Disc Replacement

The Spine Journal 8 Supplement: 163S, 2008

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

The Spine Journal 2008, 8 (Supplement): 59S-60S.

Burkus JK, Gornet MF, Schuler TC, Kleeman TA, Zdeblick TA:

Six-Year Outcomes of Anterior Lumbar Interbody Arthrodesis with Use of Interbody Fusion Cages and Recombinant Human Bone Morphogenetic Protein-2

Journal of Bone and Joint Surgery 2009; 91(5):1181-9

Gornet MF, Burkus JK, Dryer RF, Peloza JH:

Lumbar Disc Arthroplasty with MAVERICK™ Disc Versus Stand-Alone Interbody Fusion: A Prospective, Randomized, Controlled, Multicenter Investigational Device Exemption Trial

Spine, 2011, 36 (25): E1600–E1611.

Burkus JK, Gornet MF, Glassman SD, Slosar PJ, Rosner MK, Deckey JE, Nowak J, Hatcher BM:

Blood Serum Antibody Analysis and Long -Term Follow-up of Patients Treated with Recombinant Human Bone Morphogenetic Protein-2 in the Lumbar Spine

Spine, 2011, 36 (25): 2158–2167.

Gornet MF, Chan FW, Coleman J, Murrell B, Nockels RP, Taylor BA, Lanman TH, Ochoa JA:

Biomedical Assessment of a PEEK Rod System for Semi-Rigid Fixation of Lumbar Fusion Constructs

Journal of Biomechanical Engineering, 2011,133(8), 081009 (12 pages).
doi:10.1115/1.4004862

Chitnis AS, Guh AY, Benowitz I, Srinivasan V, Gertz Jr RE, Shewmaker PL, Beall BW, O'Connell H, Noble-Wang J, Gornet MF, Van Beneden C, Patrick SL, Turabelidze G, Patel PR:

Outbreak of Bacterial Meningitis Among Patients Undergoing Myelograms at an Outpatient Radiology Clinic

J Am Coll Radiol. 2012;9(3):185-190.

Gornet MF, Burkus JK, Harper ML, Chan FW, Skipor AK, Jacobs JJ

Prospective study on serum metal levels in patients with metal-on-metal lumbar disc arthroplasty

Eur Spine J. 2013 Apr;22(4):741-6.. Epub 2012 Nov 20.
DOI:10.1007/s00586-012-2581-8

Gornet MF, Schranck FW, Wharton ND, Beall DP, Jones E, Myers ME, Hipp JA

Optimizing Success With Lumbar Disc Arthroplasty

Eur Spine J. 2014 Oct;23(10):2127-35. Epub 2014 Apr 26. doi:
10.1007/s00586-014-3309-8

Gornet MF, Burkus JK, Shaffrey ME, Argires JP, Nian H, Harrell FE
Cervical Disc Arthroplasty with PRESTIGE LP Disc Versus Anterior Cervical Discectomy and Fusion: A Prospective, Multicenter Investigational Device Exemption Study

Journal of Neurosurgery: Spine. 2015, 26(6):653-667. Epub July 31, 2015.
DOI: 10.3171/2015.1.SPINE14589

Gornet MF, Schranck FW, Copay AG, Kopjar B

The Effect of Workers' Compensation Status on Outcomes of Cervical Disc Arthroplasty: A Prospective, Comparative, Observational Study

The Journal of Bone & Joint Surgery 2016; 98-A(2): 93-99.

Gornet MF, Schranck FW, Copay AG, Kopjar B

Observational Study of Depression in Patients Undergoing Cervical Disc Arthroplasty: Evidence of a Correlation between Pain Relief and Resolution of Depression

International Journal of Spine Surgery, 2016 (volume 10, article 11),
<http://dx.doi.org/10.14444/3011>

Gornet MF, Burkus JK, Shaffrey ME, Nian H, Harrell FE

Cervical Disc Arthroplasty with PRESTIGE LP Disc Versus Anterior Cervical Discectomy and Fusion: Seven Year Outcomes.

International Journal of Spine Surgery, 2016, volume 10, article 24,
<http://dx.doi.org/10.14444/3024>

Gornet MF, Singh V, Schranck FW, Skipor AK, Jacobs JJ.

Serum Metal Concentrations in Subjects with Titanium Ceramic Composite Cervical Disc Replacements.

Spine 2017 Mar 15;42(6):366-371.
doi: 10.1097/BRS.0000000000001745.

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RF, Copay AG, Nian H, Harrell FE

Cervical Disc Arthroplasty at Two Levels with PRESTIGE LP Disc™ versus Anterior Cervical Discectomy and Fusion: Results of a Prospective, Multicenter Pivotal Clinical Trial at Twenty-four Months.
Journal of Neurosurgery: Spine, 2017, 26 (6): 653–667.
doi: 10.3171/2016.10.SPINE16264.

Lanman TH, Burkus JK, Dryer RF, Gornet MF, McConnell JR, Hodges SD
Long-term clinical and radiographic outcomes of the Prestige LP artificial cervical disc replacement at two levels: results from a prospective randomized controlled clinical trial
Journal of Neurosurgery: Spine, 2017, 27 (1):7-19.
doi: 10.3171/2016.11.SPINE16746.

Jack Zigler, Matthew F. Gornet , Nicole Ferko, Chris Cameron, Francine W. Schranck, and Leena Patel
Comparison of Lumbar Total Disc Replacement With Surgical Spinal Fusion for the Treatment of Single-Level Degenerative Disc Disease: A Meta-Analysis of 5-Year Outcomes From Randomized Controlled Trials
Gobal Spine Journal, 2017 (November 16), 1-11.
doi: 10.1177/2192568217737317

Blumenthal, S, Buttermann S, Garcia R, Gornet MF, Grunch B, Guyer R, Janssen M, Kimball B, MD, Lewis A, Mesiwala A, Miller L, Morreale J, Reed W, Sandhu F, Shackelford I, Yue J, Zigler J, OConnell B, Ferko N, & Hollmann S.
Foreword: Proceedings from the First Annual Lumbar Total Disc Replacement Summit
Spine, 2017, 42 (Supplement December 15, 2017): S99-100.

Gornet MF, Buttermann G, Guyer R, Yue J, Ferko N, & Hollmann S.
Defining the Ideal Lumbar Total Disc Replacement Patient and Standard of Care
Spine, 2017, 42 (Supplement December 15, 2017): S103-107.

Gornet MF, Copay AG, Schranck FW, Sorensen KM.
Assessment of Health-Related Quality of Life in Spine Treatment: Conversion from SF-36 to VR-12.
The Spine Journal 2018; 18(7):1292-1297.
<https://doi.org/10.1016/j.spinee.2018.02.023>

Gornet MF, Wohns R, Billinghamurst J, Brett DC, Kube R, Sales JR, Wills NJ, Butterman GR, Sherban R, Schranck FW, Copay AG.
Safety and Efficiency of CDA in Ambulatory Surgery Centers vs. Hospital Settings.
International Journal of Spine Surgery 2018; 12(5):557–564.
<https://doi.org/10.14444/5068>

Gornet MF, McConnell JR, Riew KD, Lanman TD, Burkus JK, Hodges SD, Dryer RF, Copay AG, and Schranck FW.

Treatment of Cervical Myelopathy Long-term Outcomes of Arthroplasty for Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Myelopathy.

Clinical Spine Surgery 2018; 31(10):420-427.

Gornet MF, Lanman TD, Burkus JK, Hodges SD, McConnell JR, Dryer RF, Copay AG, and Schranck FW.

One-Level versus Two-Level Treatment with Cervical Disc Arthroplasty or Fusion: Outcomes up to 7 Years

International Journal of Spine Surgery, under review

Gornet MF, Burkus JK, Dryer RF, Pelozza JH, Schranck FW, and Copay AG.

Lumbar Disc Arthroplasty versus Anterior Lumbar Interbody Fusion: Five-Year Outcomes for Patients in the Maverick Disc IDE Study.

Journal of NeuroSurgery-Spine, under review

Chapters/Invited Papers

Gornet MF, Kostuik JP:

Update on Thoracolumbar Burst Fractures

In “Advances in Operative Orthopaedics” Vol 1, Stauffer R, Ehrlich M, Fu F, Kostuik JP, Manske P, Sim F, eds; Mosby-YearBook, Inc., St. Louis, pp 151-160, 1993

Gornet MF:

Spinal Infection

In “Spine Care – Operative Treatment” Vol 2, White A, Schofferman J, eds; Mosby-YearBook, Inc., St. Louis, pp 1542-1552, 1995

Gornet MF:

MAVERICK Total Disc Replacement

In “Dynamic Reconstruction of the Spine”, Kim DH, Cammisa FP, Fessler RG, eds; Thieme Medical Publishers, Inc., New York, NY, pp 186-195, 2006

Gornet MF:

Lumbar Nucleus Pulposus Replacement

In “Spinal Arthroplasty: The Preservation of Motion”, Vaccaro AR, Papadopoulos S, Traynelis VC, Haid RW, Sasso RC, eds; Saunders Elsevier, Inc., Philadelphia, PA, pp 225-239, 2007

Gornet MF:

Maverick Total Disc Replacement

In “Motion Preservation Surgery of the Spine: Advanced Techniques and Controversies”, Yue JJ, Bertagnoli R, McAfee P, An H, eds; Saunders Elsevier, Inc., Philadelphia, PA

Teaching Manuals/Tutorials

Yuan H, Yonenobu K, Gornet MF, Haggeness M:
SDRS™ Surgical Technique Manual 1998

Gornet MF, Yuan H:
Spiral Radius 90D™ Surgical Technique Manual 2001

Gornet MF, Lanman T, Mathews HH, Nockels RP:
CD Horizon® Legacy™ PEEK Rod System Surgical Technique 2007

IV. ABSTRACTS

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:
rhBMP-2 with Tapered Cages: A Prospective, Randomized Lumbar Fusion Study
16th Annual North American Spine Society Meeting, October 2001, Seattle, Washington

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:
rhBMP-2 and the LT-CAGE™ Device in the Lumbar Spine
69th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2002, Dallas, Texas

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:
Anterior Lumbar Interbody Fusion Using Tapered Fusion Cages and rhBMP-2
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Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:
Clinical and Radiographic Outcomes Results of rhBMP-2 in ALIF Procedures
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Factors Influencing Return to Work After Single Level Anterior Lumbar Interbody Fusion for Degenerative Disc Disease

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Rome, Italy

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Clinical and Radiographic Outcomes Following Two-Level Anterior Lumbar Interbody Fusion Using rhBMP-2 and Tapered Cages

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Rome, Italy

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Clinical and Radiographic Outcomes Following Staged Anterior-Posterior Spinal Fusion Using a Vertebral Body Allograft

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Rome, Italy

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Clinical and Radiographic Outcomes After Anterior Lumbar Interbody Fusion Using rhBMP-2 in Patients with a Previous Discectomy

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The Effect of Preoperative Disc Space Height on Clinical Outcomes After Anterior Lumbar Interbody Fusion

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The Effect of Preoperative Disc Space Height on Clinical Outcomes After Anterior Lumbar Interbody Fusion

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Recombinant Human Bone Morphogenetic Protein (rhBMP-2) vs. Allograft Bone with Bone Growth Stimulator for Patients with Degenerative Disc Disease

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A Radiographic Assessment of Lumbar Allograft Interbody Constructs and the Effect of rhBMP-2 on Allograft Incorporation and New Bone Formation

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A Large Randomized Clinical Evaluation of rhBMP-2 Versus Iliac Crest Bone Graft in Lumbar Spine Fusion

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Recombinant Human Bone Morphogenetic Protein (rhBMP-2) vs. Allograft Bone with Bone Growth Stimulator for Patients with Degenerative Disc Disease

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Chicago, Illinois

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February 2005, Washington, DC

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118th Annual Meeting of the American Orthopedic Association, June 2005,
Huntington Beach, California

Glassman S, Gornet MF, Branch C, Polly D Jr, Pelosa J, Schwender JD,
Carreon L:

SF-36 Outcomes After Lumbar Spine Fusion: A Multicenter Experience

12th International Meeting on Advanced Spine Techniques, July 2005,
Whitecloud Clinical Award Finalist, Banff, Alberta, Canada

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MAVERICK Total Disc Replacement: A Review of 12-Month Data from Five Investigational Centers

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Banff, Alberta, Canada

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Subach B, Glassman SD, Polly D Jr, Branch C, Pelozo J, Schuler T, Schwender J, Gornet MF:

The Effect of Previous Discectomy on Outcome After Lumbar Spinal Fusion Surgery.

12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Gornet MF, Glassman SD, Polly D Jr, Branch C, Pelozo J, Schuler T, Schwender JD, Subach B, Lumbar Spine Study Group:

Lumbar Spinal Fusion Surgery: Early Differences in Clinical Outcome between Males and Females

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Gornet MF, Taylor BA, Burkus JK, Glassman SD, Schuler TC:

Clinical and Radiographic Outcomes in Patients Undergoing Posterior Lumbar Interbody Fusion with rhBMP-2 for Revision Disc Surgery

12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Burkus JK, Gornet MF, Mathews HH:

Effect of Preoperative Spondylolisthesis on Functional Outcome in Patients Treated with Stand-Alone Anterior Lumbar Spinal Fusion Surgery for Degenerative Disc Disease

12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Burkus JK, Gornet MF:

Long Term Prospective Follow-Up in Patients Undergoing Stand-Alone Single Level Anterior Lumbar Interbody Fusion with Threaded Cortical Bone Dowels Comparing rhBMP-2 and Iliac Crest Autograft

12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

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SF-36 PCS Benefit/Cost Ratio of Lumbar Fusion Comparison to other Surgical Interventions

12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Glassman S, Gornet MF, Branch C, Polly D Jr, Pelozo J, Schwender JD, Carreon L:

SF36 Outcomes After Lumbar Spine Fusion: A MultiCenter Experience

20th Annual North American Spine Society Meeting, September 2005,

Philadelphia, Pennsylvania

Taylor BA, Gornet MF, Burkus JK, Glassman SD, Schuler T:
Clinical and Radiographic Outcomes in Patients Undergoing Posterior Lumbar Interbody Fusion with rhBMP-2 for Revision Disc Surgery
20th Annual North American Spine Society Meeting, September 2005,
Philadelphia, Pennsylvania

Polly D Jr, Branch C Jr, Burkus K, Shaffrey C, Glassman S, Gornet MF,
Mathews H, Pelosa J, Sandhu H, Schuler T, Schwender J, The Lumbar
Spine Study Group:
**SF-36 PCS Benefit/Cost Ratio of Lumbar Fusion Comparison to other
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Philadelphia, Pennsylvania

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA:
**MAVERICK Total Disc Replacement: A Review of 12-Month Data
from Five Investigational Centers**
20th Annual North American Spine Society Meeting, September 2005,
Philadelphia, Pennsylvania

Burkus JK, Gornet MF:
**Long Term Prospective Follow-Up in Patients Undergoing Stand-Alone
Single Level Anterior Lumbar Interbody Fusion with Threaded
Cortical Bone Dowels Comparing rhBMP-2 and Iliac Crest Autograft**
20th Annual North American Spine Society Meeting, September 2005
Philadelphia, Pennsylvania

Subach BR, Glassman SD, Polly DW Jr, Branch CL, Pelosa JH, Schuler
TC, Schwender JD, Gornet MF:
**The Effect of Previous Discectomy on Outcome After Lumbar Spinal
Fusion Surgery**
40th Annual Scoliosis Research Society Meeting, October 2005, Miami,
Florida

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA, Pelosa J,
Dryer RF:
**Maverick™ Total Disc Replacement: Initial Report of 24-month
Clinical Outcomes from Six Investigational Centers**
6th Annual SAS Global Symposium on Motion Preservation Technology,
May 2006, Montreal, Canada

LeHuec JC, Aunoble S, Gornet MF, Tournier C:
Hybrid Surgery for DDD: Fusion L5-S1 and Disc Prosthesis L4-L5
6th Annual SAS Global Symposium on Motion Preservation Technology,
May 2006, Montreal, Canada

Mathews HH, Nockels R, Gornet MF:

360 Degree Motion Preservation: How Much Motion is Necessary? A Biomechanical Study of Combined Anterior and Posterior Motion Preservation Techniques

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL, Schuler TC:

Facet Changes after Maverick™ Total Disc Replacement: A Study of Patient Outcomes at 24 months

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Maverick™ Total Disc Replacement: Initial Report of 24-month Clinical Outcomes from Six Investigational Centers

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Gornet MF, Mathews HH, Nockels R, Lanman T, Sanders EH, Dewey J, Veldman M, Schranck F:

Mechanical, Biomechanical and Biocompatibility Evaluation of a PEEK Rod Based Pedicle Screw System

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Gornet MF, Mathews HH, Burkus JK, Rahn KA, LeHuec JC, Williams AL:
Maverick™ Total Disc Replacement: A Study of Device Position and Patient Outcomes at Two Years

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Glassman S, Gornet MF, Subach B, Schuler T, Schwender J, Carreon L:
Detecting Nonunion with Metallic Anterior Interbody Cages

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Lumbar Total Disc Replacement Combined with Fusion at an Adjacent Level: Early Results from a Multi-Center Retrospective Review of a Hybrid Procedure for Multi-Level Degenerative Disease

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

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Lumbar Total Disc Replacement Combined with Fusion at an Adjacent Level: Early Results from a Multi-Center Retrospective Review of a Hybrid Procedure for Multi-Level Degenerative Disease

North American Spine Society: Spine Across the Sea Meeting, July 2006, Maui, Hawaii

Gornet MF, Mathews HH, Burkus JK, Rahn KA, LeHuec JC, Williams AL:

Maverick Total Disc Replacement: A Study of Device Position and Patient Outcomes at Two Years

21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA, Pelozza JH, Dryer RF:

Maverick Total Disc Replacement: Initial Report of 24-Month Clinical Outcomes from Six Investigational Centers

21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL, Schuler TC:

Facet Changes after Maverick Total Disc Replacement: A Study of Patient Outcomes at 24 Months

21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Glassman S, Gornet MF, Subach B, Schuler T, Schwender J, Carreon L:

Detecting Nonunion With Metallic Anterior Interbody Cages

21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Nockels R, Gornet MF, Mathews HH, Lanman T:

Mechanical, Biomechanical and Biocompatibility Evaluation of PEEK Material Used as a Pedicle Screw Based Rod System

American Association of Neurological Surgeons 75th Annual Meeting, April 2007, Washington, DC

Gornet MF, Burkus JK, Mathews HH, Dryer RF, Pelozza JH:

MAVERICK™ Total Disc Replacement versus Anterior Lumbar Interbody Fusion with the INFUSE® Bone Graft/ LT CAGE® Device: A Prospective, Randomized, Controlled, Multicenter IDE Trial

7th Annual SAS Global Symposium on Motion Preservation Technology, May 2007, Berlin, Germany

Burkus JK, Jacobs JJ, Skipor AK, Kattner KA, Gornet MF:
Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements
7th Annual SAS Global Symposium on Motion Preservation Technology,
May 2007, Berlin, Germany

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:
Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements
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Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL, Schuler TC:
Facet changes after Maverick™ Total Disc Replacement: A study of patient outcomes at 24 months
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Maverick™ Total Disc Replacement: A study of device position and patient outcomes at two years
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Gornet MF, Burkus JK, Mathews HH, Dryer R, Peloza J:
Comparison of Single-level Lumbar Arthroplasty with Stand-alone Anterior Lumbar Interbody Fusion in Degenerative Disc Disease: Two-Year Results
14th International Meeting on Advanced Spine Techniques, July 2007,
Paradise Island, Bahamas

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:
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14th International Meeting on Advanced Spine Techniques, July 2007,
Paradise Island, Bahamas

Gornet MF, Peloza J, Burkus JK, Dryer R, Mathews HH:
Repeat Anterior Lumbar Spine Surgery Following Clinical Use of a Bioresorbable Thin Film Barrier of Polylactic Acid with a Lumbar Disc Arthroplasty
14th International Meeting on Advanced Spine Techniques, July 2007,
Paradise Island, Bahamas

Burkus JK, Jacobs JJ, Skipor AK, Kattner KA, Gornet MF:

Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

14th International Meeting on Advanced Spine Techniques, July 2007, Paradise Island, Bahamas

Nockels RP, Gornet MF, Lanman T, Mathews HH:

Early Clinical Experience with Semi-Rigid (PEEK) Posterior Instrumentation in Lumbar Fusion

14th International Meeting on Advanced Spine Techniques, July 2007, Paradise Island, Bahamas

Carreon L, Glassman S, Schwender JD, Subach B, Gornet MF, Ohno S:

Reliability and Accuracy of Fine-cut CT Scans to Determine the Status of Anterior Interbody Fusions with Metallic Cages

14th International Meeting on Advanced Spine Techniques, July 2007, Paradise Island, Bahamas

Burkus JK, Gornet MF, Mathews HH, Dryer RF, Peloza JH:

Comparison of Single-Level Lumbar Metal-on-Metal Arthroplasty with Stand-Alone Anterior Lumbar Interbody Fusion in Degenerative Disc Disease: Two-Year Results

42nd Annual Scoliosis Research Society Meeting, September 2007, Edinburgh, Scotland

Burkus JK, Skipor AK, Kattner KA, Gornet MF, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

42nd Annual Scoliosis Research Society Meeting, September 2007, Edinburgh, Scotland

Burkus JK, Gornet MF, Schuler TC, Kleeman TA, Zdeblick TA:

Long-term Follow Up of rhBMP-2/ACS in Lumbar Spine Fusion

42nd Annual Scoliosis Research Society Meeting, September 2007, Edinburgh, Scotland

Gornet MF, Burkus JK, Mathews HH, Dryer RF, Peloza JH:

MAVERICK™ Total Disc Replacement versus Anterior Lumbar Interbody Fusion with the INFUSE® Bone Graft/ LT-CAGE® Device: A Prospective, Randomized, Controlled, Multicenter IDE Trial

22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Gornet MF, Burkus JK, Schuler TC, Kleeman TA, Zdeblick TA:
Long-term Follow Up (48 month) of rhBMP-2/ACS in Lumbar Spine Fusion

22nd Annual North American Spine Society Meeting, October 2007,
Austin, Texas

Carreon L, Glassman S, Schwender J, Subach B, Gornet MF, Ohno S:
Detecting Nonunion with Metallic Anterior Interbody Cages

22nd Annual North American Spine Society Meeting, October 2007,
Austin, Texas

Traynelis V, Burkus JK, Gornet MF, Jacobs JJ, Skipor AK, Kattner KA:
Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

22nd Annual North American Spine Society Meeting, October 2007,
Austin, Texas

Gornet MF, Ceola W, Skipor AK, Jacobs JJ:
Serum Metal Levels in Patients with a Titanium Ceramic Composite Metal-on-Metal Cervical Disc Replacements

8th Annual SAS Global Symposium on Motion Preservation Technology,
May 2008, Miami, Florida

Burkus JK, Gornet MF, Kattner KA, Skipor AK, Jacobs JJ:
Serum Metal Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

8th Annual SAS Global Symposium on Motion Preservation Technology,
May 2008, Miami, Florida

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:
Serum Metal Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

8th Annual SAS Global Symposium on Motion Preservation Technology,
May 2008, Miami, Florida

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:
Serum Metal Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

15th International Meeting on Advanced Spine Techniques, July 2008,
Hong Kong, China

Taylor B, Gornet M, Nockels R, Lanman T:
Comparison of Clinical Outcomes After Anterior Lumbar Interbody Fusion with Semi-Rigid (PEEK) or Rigid (Ti) Posterior Instrumentation

15th International Meeting on Advanced Spine Techniques, July 2008,

Hong Kong, China

Burkus JK, Gornet, MF, Glassman SD, Slosar PJ, Rosner MK, Deckey JE:
**The Prevalence and Clinical Significance of Antibody Formation in
rhBMP-2 Spinal Fusion Studies**

23rd Annual North American Spine Society Meeting, October 2008,
Toronto, Canada

Gornet MF, Ceola WM, Burkus JK, Skipor AK, Jacobs JJ:
**Serum Metal Ion Levels in Patients with a Titanium Ceramic
Composite Metal-on-Metal Cervical Disc Replacement**

23rd Annual North American Spine Society Meeting, October 2008,
Toronto, Canada

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:
**Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-
Alloy Metal-on-Metal Lumbar Disc Replacements**

23rd Annual North American Spine Society Meeting, October 2008,
Toronto, Canada

Burkus JK, Gornet, MF, Glassman SD, Slosar PJ, Rosner MK, Deckey JE:
**The Prevalence and Clinical Significance of Antibody Formation in
rhBMP-2 Spinal Fusion Studies**

76th Annual Meeting of the American Academy of Orthopaedic Surgeons,
February 2009, Las Vegas, Nevada

Burkus JK, Gornet MF, Schuler TC, Kleeman TA, Zdeblick T:
Long-Term Follow Up of rhBMP in Lumbar Spine Fusion

76th Annual Meeting of the American Academy of Orthopaedic Surgeons,
February 2009, Las Vegas, Nevada

Gornet MF, Taylor BA, Kuklo TR, Nockels RP, Lanman TH:
**Does Clinical Load Sharing of the Interbody Space Enhance Fusion? A
Comparison of Rigid (Titanium) versus Semi-Rigid (PEEK) Posterior
Instrumentation on Interbody Bone Volume**

2009 Annual Meeting of the AANS/CNS Section on Disorders of the Spine
and Peripheral Nerves, March 2009, Phoenix, Arizona

Gornet MF, Ceola WM, Burkus JK, Skipor AK, Jacobs JJ:
**Serum Metal Ion Levels in Patients with a Titanium Ceramic
Composite Metal-on-Metal Cervical Disc Replacement**

2009 Annual Meeting of the AANS/CNS Section on Disorders of the Spine
and Peripheral Nerves, March 2009, Phoenix, Arizona

Gornet MF, Burkus JK, Ceola W, Skipor AK, Jacobs JJ:
**Serum Metal Levels in Patients with a Titanium Ceramic Composite
Metal-on-Metal Cervical Disc Replacements**

9th Annual SAS Global Symposium on Motion Preservation Technology,
April/May 2009, London, England

Dryer R, Burkus JK, Gornet MF, Lanman T, Gunter B, Canavati I:
**2-Level Cervical Disc Arthroplasty: One-year Clinical results from 6
Centers in a Prospective Randomized IDE Trial**

9th Annual SAS Global Symposium on Motion Preservation Technology,
April/May 2009, London, England

Gornet MF, Polly DW, Pelozo JH, Burkus JK:
**Economic Outcomes in a Worker's Compensation Cohort After Single-
Level Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody
Fusion**

9th Annual SAS Global Symposium on Motion Preservation Technology,
April/May 2009, London, England

Donald G, Miz G, Theofilos C, Gornet M, Strauss K:
**In vitro Spine Biomechanical Comparison between Ti-6Al-4V and
Nitinol (NiTi) Rod Constructs**

9th Annual SAS Global Symposium on Motion Preservation Technology,
April/May 2009, London, England

Gornet MF, Polly DW, Pelozo JH, Burkus K:
**Economic Outcomes in a Worker's Compensation Cohort after Single-
Level Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody
Fusion**

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Gornet MF, Taylor BA, Pelozo JH, Bertagnoli B:
**Clinical Outcomes after Cervical Disc Arthroplasty for Axial Neck Pain
vs. Radiculopathy/Myelopathy**

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Gornet MF, Taylor BA, Kuklo TR, Nockels RP, Lanman TH:
**Impact of Stress Shielding on Interbody Bone Volume after
Lumbosacral Fusion with Supplemental Instrumentation Using Oval-
Shaped PEEK Rods vs. Titanium Rods**

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Gornet MF, Taylor BA, Nockels RP, Lanman TH:
**Comparison of 24-Month Clinical Outcomes after Anterior Lumbar
Interbody Fusion with Semi-Rigid, Oval-Shaped PEEK or Rigid
Titanium Posterior Instrumentation**

16th International Meeting on Advanced Spine Techniques, July 2009,

Vienna, Austria

Gornet MF, Taylor BA, Pelozo JH, Bertagnoli B:

Clinical Outcomes after Cervical Disc Arthroplasty for Axial Neck Pain vs. Radiculopathy/Myelopathy

EuroSpine 2009 Annual Meeting, October 2009, Warsaw, Poland

Gornet MF, Burkus JK, Dryer RF, Pelozo JH:

Lumbar Disc Arthroplasty versus Anterior Lumbar Interbody Fusion: Five-year Outcomes for Patients in the Maverick® Disc IDE Study

10th Annual SAS Global Symposium on Motion Preservation Technology, April 2010, New Orleans, Louisiana

Lanman TH, Burkus JK, Dryer R, Gornet M, Gunter B, Canavati I:

2-level Cervical Disc Arthroplasty: Clinical Results from 6 Centers in a Prospective Randomized IDE Trial

10th Annual SAS Global Symposium on Motion Preservation Technology, April 2010, New Orleans, Louisiana

Gornet MF, Pelozo J, Burkus JK, Taylor BA, Dryer R, Bertagnoli R:

Clinical Outcomes after Cervical Disc Arthroplasty for Axial Neck Pain vs. Radiculopathy/Myelopathy

10th Annual SAS Global Symposium on Motion Preservation Technology, April 2010, New Orleans, Louisiana

Gornet MF, Dryer RF, Pelozo JH:

Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody Fusion: Five-Year Outcomes for Patients in an IDE Study

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Gornet MF, Pelozo JH, Dryer RF, Jones EA, MD, Hipp JA, Schranck FW:

Relationship between Changes in Lumbar Lordosis and Clinical Outcomes Following Lumbar Disc Arthroplasty

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Taylor BA, Gornet MF, Pelozo JH, Schranck FW:

Report of Patients Treated with Cervical Disc Arthroplasty at Two to Four Levels on an Outpatient, 23-Hour Observation Basis

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Gornet MF, Pelozo JH, Dryer RF, Jones EA, Hipp JA, Schranck FW:

Role of Endplate Morphology on Lumbar Disc Arthroplasty Clinical and Radiographic Outcomes

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Gornet MF, Dryer RF, Pelozo JH, Schranck FW:

Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody Fusion: Five-Year Outcomes for Patients in the Maverick[®] Disc IDE Study

25th Annual North American Spine Society Meeting, October 2010, Orlando, Florida

Taylor BA, Gornet MF, Pelozo JH, Dryer RF, Schranck FW:

Preliminary Report of Patients Treated with Multilevel Cervical Disc Arthroplasty in an Outpatient Surgery Center on a 23-Hour Observation Basis

25th Annual North American Spine Society Meeting, October 2010, Orlando, Florida

Gornet MF, Pelozo JH, Dryer RF, Jones EA, Hipp JA, Schranck FW:

Relationship between Changes in Lumbar Lordosis and Clinical Outcomes Following Lumbar Disc Arthroplasty

25th Annual North American Spine Society Meeting, October 2010 Orlando, Florida

Gornet MF, Taylor BA, Lanman TH, Pelozo JH, Dryer RF, Schranck FW:
Clinical Outcomes after Cervical Disc Arthroplasty for Workers' Compensation Patients

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Pelozo JH, Dryer RF, Burkus JK, Jones EA, Hipp JA, Wharton ND, Schranck FW:

Role of Endplate Morphology on Lumbar Disc Arthroplasty Clinical and Radiographic Outcomes

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Taylor BA, Dryer RF, Pelozo JH, Lanman TH, Schranck FW:
Secondary Surgical Procedure Rates after Cervical Disc Arthroplasty at One to Four Levels

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Pelozo JH, Dryer RF, Burkus JK, Jones EA, Hipp JA, Wharton ND, Schranck FW:

The Relationship between Global Range of Motion and Clinical Outcomes in Lumbar Disc Arthroplasty Patients

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Pelozo JH, Dryer RF, Burkus JK, Jones EA, Hipp JA, Wharton ND, Schranck FW:

Relationship between Changes in Lumbar Lordosis and Clinical Outcomes Following Lumbar Disc Arthroplasty

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Taylor BA, Lanman TH, Pelozo JH, Dryer RF, Schranck FW:
Clinical Outcomes for Worker's Compensation Patients after Cervical Disc Arthroplasty

26th Annual North American Spine Society Meeting, November 2011, Chicago, Illinois

Gornet MF, Taylor BA, Pelozo JH, Schranck FW:

Late Subsidence after Cervical Disc Arthroplasty at One to Four Levels

12th Annual Meeting of the International Society for the Advancement of Spine Surgery, March 2012, Barcelona, Spain

Gornet MF, Taylor BA, Schranck FW:

Clinical outcomes for workers' compensation patients after cervical disc arthroplasty

EuroSpine 2012 Annual Meeting, May 2012, Amsterdam, Netherlands

Gornet MF, Schranck FW, Taylor BA:

Late Subsidence after Cervical Disc Arthroplasty

27th Annual North American Spine Society Meeting, November 2012
Dallas, Texas

Lotz J, Peacock J, Bradford D, Gornet MF, Claude J, Kane P, Stewart D, Schranck FW:

Non-invasive In-vivo MR Spectroscopy of Non-herniated versus Herniated Painful Lumbar Discs

13th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2013, Vancouver, BC, Canada

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Two-Year Patient Outcomes after Single vs. Multi-Level Cervical Disc Arthroplasty

13th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2013, Vancouver, BC, Canada

Gornet MF, Taylor BA, Schranck FW, Kopjar B:

Predictors of Success after Cervical Disc Arthroplasty

13th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2013, Vancouver, BC, Canada

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Predictors of Success after Cervical Disc Arthroplasty

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Gornet MF, Schranck FW, Wharton, N, Hipp JA:

Optimizing Success with Lumbar Disc Arthroplasty

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Lotz JC, Gornet MF, Peacock JC, Hu SS, Schranck FW, Stewart D:

Single Voxel MR Spectroscopy Distinguishes Non-Herniated Painful from Herniated Painful and Non-Painful Lumbar Discs

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Does Worker's Compensation Status Affect Outcomes of Cervical Disc Arthroplasty? A Comparative Prospective Study

14th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2014, Miami, Florida

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Does Mental Health Status Affect Outcomes of Cervical Disc Arthroplasty?

14th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2014, Miami, Florida

Peacock JC, Gornet MF, Lotz JC, Bradford DS, Claude JP, Kane P, Stewart D, Schranck FW:

In-vivo MR Spectroscopy of Painful versus Non-painful Lumbar Discs – An Intra-Patient Comparative Algorithm for Non-invasive, Objectively Quantified Painful Disc Diagnosis

14th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2014, Miami, Florida

Gornet MF, Schranck FW, Singh V, Skipor AK, Jacobs JJ:

Prospective Study on Serum Metal Levels up to 84 Months after Surgery in Patients with Metal-on-Metal Cervical Disc Arthroplasty

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Wymore K, Schranck FW, Wharton ND, Hipp JA:

Importance of Avoiding an Anterior Center of Rotation with Cervical Disc Arthroplasty

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Burkus JK, Shaffrey ME, Argires PJ:

Cervical Disc Arthroplasty vs. Anterior Cervical Discectomy and Fusion: Seven-year Outcomes from a Prospective, Multicenter Investigational Device Exemption Study

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Schranck FW, Tang F, Nian H, Harrell FE:

Results of an Independent Statistical Analysis from the FDA-Approved Clinical and Radiographic Study of an Artificial Disc at 24 Months

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Lanman T, McConnell J, Burkus JK, Dryer RF, Hodges S:

Two-level Cervical Disc Arthroplasty vs. ACDF: A Prospective, Randomized, Controlled Multicenter Clinical Trial with 5-Year Results

EuroSpine 2015 Annual Meeting, September 2015, Copenhagen, Denmark

Gornet MF, Singh V, Schranck FW, Skipor AK, Jacobs JJ

Titanium Ion Levels in Patients with Metal-on-Metal Cervical Disc Arthroplasty: A Prospective Study Up to 84 Months

EuroSpine 2015 Annual Meeting, September 2015, Copenhagen, Denmark

Gornet MF, Burkus JK, Shaffrey ME, Nian H, Harrell FE:

Cervical Disc Arthroplasty with PRESTIGE LP Disc Versus Anterior Cervical Discectomy and Fusion: Seven-Year Outcomes

30th Annual North American Spine Society Meeting, October 2015, Chicago, Illinois

Gornet MF, McConnell JR, Burkus JK, Lanman TH, Dryer RF, Hodges SD, Nian H, Harrell FE:

Two-Level Cervical Disc Arthroplasty with PRESTIGE LP Disc Versus ACDF: A Prospective, Randomized, Controlled Multicenter Clinical Trial with 24-Month Results

30th Annual North American Spine Society Meeting, October 2015, Chicago, Illinois

Gornet MF, Singh V, Schranck FW, Skipor AK, Jacobs JJ:

Serum Metal Ion Levels after Surgery in Patients with Metal-on-Metal Cervical Disc Arthroplasty: A Prospective Study Up to 84 Months

30th Annual North American Spine Society Meeting, October 2015, Chicago, Illinois

Gornet MF, Hipp JA, Wharton ND, Schranck FW, Copay AG, Wymore BS
Analysis of factors associated with heterotopic ossification following cervical disc arthroplasty

16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Gornet MF, Hipp JA, Wharton ND, Schranck FW, Copay AG, Schranck CR, Wymore BS

Cervical disc arthroplasty design and the stability of the treated level

16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Gornet MF, Hipp JA, Wharton ND, Schranck FW, Copay AG, Wymore BS
New Evidence Supporting Instability as a Contra-Indication to Lumbar Disc Arthroplasty

16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Gornet MF, Hipp JA, Schranck FW, Copay AG, Schranck CR, Wymore BS
A flexion-extension stress-test for the lumbar spine

16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Lanman TH, Burkus JK, Dryer RG, Gornet MF, McConnell J, Hodges SC
Long-Term Clinical and Radiographic Outcomes of an Artificial Cervical Disc Replacement at Two Levels: Results from a Level 1 Prospective Randomized Controlled Clinical Trial

2016 Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, May 2016, Chicago, Illinois

McConnell J, Gornet MF, Lanman TH, Burkus JK, Dryer RG, Hodges SC
Long Term Clinical and Radiographic Results of Two-level Cervical Total Disc Replacement from a Level 1 Prospective, Randomized, Clinical Trial

23rd International Meeting on Advanced Spine Techniques, July 2016, Washington, DC

Gornet MF, Lanman TH, Burkus JK, Dryer RG, McConnell JR, Hodges SD
Two-Level Cervical Disc Arthroplasty with PRESTIGE LP Disc vs. Anterior Cervical Discectomy and Fusion: Seven-Year Outcomes of a Prospective, Randomized IDE Clinical Trial

31st Annual North American Spine Society Meeting, October 2016, Boston, Massachusetts

Gornet MF, Hipp JA, Copay AG, Schranck FW

Objective radiographic disc integrity metric identifies disc abnormalities in whiplash patients

31st Annual North American Spine Society Meeting, October 2016, Boston, Massachusetts

Gornet MF, Hipp JA, Schranck FW, Copay AG

Abnormal pre-operative disc mechanics does not impair the outcomes of CDA

31st Annual North American Spine Society Meeting, October 2016, Boston, Massachusetts

Hodges SC, Lanman TH, Gornet MF, Burkus JK, McConnell J,
Long Term Clinical and Radiographic Results of Two-level Cervical Total Disc Replacement from a Level 1 Prospective, Randomized, Clinical Trial

44th Annual Meeting of the Cervical Spine Research Society, December 2016, Toronto, Canada

Gornet MF, Hipp JA, Copay AG, Schranck FW.

A 3D knowledge-based grading system for heterotopic ossification following cervical disc arthroplasty

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Hipp JA, Copay AG, Schranck FW.

Are the cervical spines of “Whiplash” patients different?

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Hipp JA, Copay AG, Schranck FW.

The Effect of Abnormal Disc Mechanics on Activities of Daily Living

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Copay AG, Schranck FW.

Cervical Disc Arthroplasty for Axial Neck Pain vs.

Radiculopathy/Myelopathy: A Comparison of Clinical and Functional Outcomes

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, R. Wohns, J. Billingham, D. Brett, R. Kube

Comparison of Outcomes after CDA in an Ambulatory Surgery Center vs. Hospital Setting

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

EuroSpine 2017, Annual Meeting, October 2017, Dublin, Ireland

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

EuroSpine 2017, Annual Meeting, October 2017, Dublin, Ireland

Zigler J, Gornet MF, Ferko N, Cameron C, Schranck FW, Patel L

Long-Term Outcomes of Lumbar Total Disc Replacement versus Spinal Fusion for the Treatment of DDD: A Novel Meta-Analysis of Randomized Controlled Trials

EuroSpine 2017, Annual Meeting, October 2017, Dublin, Ireland

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

32^d Annual North American Spine Society Meeting, October 2017, Orlando, FL

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

32^d Annual North American Spine Society Meeting, October 2017, Orlando, FL

Lanman TH, Gornet MF, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

Congress of Neurological Surgeons Annual Meeting, October 2017, Boston, Massachusetts

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

45th Annual Meeting of the Cervical Spine Research Society, November-December 2017, Hollywood, FL

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

45th Annual Meeting of the Cervical Spine Research Society, November-December 2017, Hollywood, FL

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Lotz JC, Eastlack RK, Peacock J, Schranck FW, Claude J, Copay AG.

Non-Invasive In Vivo MR Spectroscopy of Lumbar Discs Correlates with Provocation Discography & Fusion Surgery Outcomes

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Schranck FW, Copay AG, Sorensen KM.

Outcomes of 3- and 4-level Cervical Disc Arthroplasty

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Lotz JC, Eastlack RK, Peacock J, Schranck FW, Claude J, Copay AG.

Non-Invasive In Vivo MR Spectroscopy of Lumbar Discs Correlates with Provocation Discography & Fusion Surgery Outcomes

33rd Annual Meeting of the North American Spine Society, September 2018, Los Angeles, CA.

Gornet MF, Schranck FW, Copay AG, Sorensen KM.

Outcomes of 3- and 4-level Cervical Disc Arthroplasty

33rd Annual Meeting of the North American Spine Society, September 2018, Los Angeles, CA.

Gornet MF, Burkus JK, Shaffrey ME.

Cervical Disc Arthroplasty: 10-year Results

33rd Annual Meeting of the North American Spine Society, September 2018, Los Angeles, CA.

V. COURSE SPEAKER (INVITED LECTURER)

Failed Back Syndrome: Symptoms and Treatment

Spine Symposium: Smith, Nephew & Richards 1996, Jacksonville, Florida.

Results of Treatment of Isthmic Spondylolisthesis with Pedicle Screws and Interbody Cages

Fourth Annual Stryker Cage Meeting, April 1998, Bordeaux, France

Lumbo-sacral Fixation: Risks and Benefits

Practical Anatomy Workshop (PAWS), St. Louis University School of Medicine, 1997-2000, St. Louis, Missouri

InFUSE™ – Clinical Update on BMP-2 for Spinal Application

Grand Rounds Baylor College of Medicine, March 2002, Houston, Texas

Differentiating Between Bone Graft Replacements and Extenders

Medtronic Sofamor Danek Eastern Area Think Tank, April 2002, Williamsburg, Virginia

Clinical Evaluation and Outcomes of rhBMP-2 with Tapered Cage Constructs

Medtronic Sofamor Danek Eastern Area Think Tank, April 2002, Williamsburg, Virginia

Clinical Evaluation and Outcomes of rhBMP-2 in Laparoscopic Procedures

Medtronic Sofamor Danek Eastern Area Think Tank, April 2002, Williamsburg, Virginia

Lumbar Spine: Degenerative Spondylolisthesis and Spinal Stenosis – Roundtable Discussion

9th International Meeting on Advanced Spine Techniques, May 2002, Montreux, Switzerland

BMP Plus Tapered Cages, The Next Step in Threaded ALIF Procedures

9th International Meeting on Advanced Spine Techniques, May 2002, Montreux, Switzerland

Current Issues in Lumbar Cage Technology – Subsidence and How to Prevent

9th International Meeting on Advanced Spine Techniques, May 2002, Montreux, Switzerland

Failed Cages: Causes and Remedies

9th International Meeting on Advanced Spine Techniques, May 2002, Montreux, Switzerland

Isthmic Spondylolisthesis

The Sixth Annual International Course on Globalspine: Surgical Principles and the Latest Techniques, October 2002, Dana Point, California

Degenerative Lumbar Instability – Indications and Open Technique Anterior Only: Cages, Bone Graft

The Sixth Annual International Course on Globalspine: Surgical Principles and the Latest Techniques, October 2002, Dana Point, California

rhBMP-2 Clinical Evaluation and Outcomes: Anterior Use

The Sixth Annual International Course on Globalspine: Surgical Principles and the Latest Techniques, October 2002, Dana Point, California

Lumbar Degenerative: Roundtable Discussion

10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Interbody Technologies: ALIF: Multi-level ALIF, Stand Alone

18th Annual North American Spine Society Meeting, October 2003, San Diego, California

Advanced Techniques in Spinal Decompression and Fixation: Disc Replacement

Practical Anatomy Workshop (PAWS), St. Louis University School of Medicine, April 2004, St. Louis, Missouri

Minimally Invasive Posterior Fusion and Instrumentation: Indications for Minimally Invasive Posterior Lumbar Fusion and Instrumentation

North American Spine Society Regional Hands-On Course, May 2004, St. Louis, Missouri

Current State of Bone Graft Options

Panel Discussion at the 11th International Meeting on Advanced Spine Techniques, July 2004, Southampton, Bermuda

Lumbar Degenerative: Session VIII

Moderator at the 11th International Meeting on Advanced Spine Techniques, July 2004, Southampton, Bermuda

Lumbar Degenerative: Roundtable Discussion

11th International Meeting on Advanced Spine Techniques, July 2004,
Southampton, Bermuda

Non-Fusion Treatment for Degenerative Disc Disease

11th International Meeting on Advanced Spine Techniques, July 2004,
Southampton, Bermuda

**Interbody Technologies: PLIF & ALIF: Open ALIF: Cylindrical,
Tapered, Bone, Metal, Composite Implants**

19th Annual North American Spine Society Meeting, October 2004,
Chicago, Illinois

Motion Technologies

12th International Meeting on Advanced Spine Techniques, July 2005,
Banff, Alberta, Canada

**Interbody Technologies: PLIF and ALIF: Stand-Alone Open ALIF:
Cylindrical Cages and Tapered Cages**

20th Annual North American Spine Society Meeting, September 2005,
Philadelphia, Pennsylvania

Cervical Spine Stabilization: Cervical Disc Replacement

21st Annual North American Spine Society Meeting, September 2006,
Seattle, Washington

**Controversies in Motion Preservation: Lumbar TDR: MAVERICK™
Total Disc Replacement versus Anterior Lumbar Interbody Fusion
with the INFUSE® Bone Graft/ LT-CAGE® Device: A Prospective,
Randomized, Controlled, Multicenter IDE Trial**

7th Annual SAS Global Symposium on Motion Preservation Technology,
May 2007, Berlin, Germany

**Optimizing Motion Preservation: MAVERICK™ Total Disc
Replacement versus Anterior Lumbar Interbody Fusion with the
INFUSE® Bone Graft/ LT-CAGE® Device: A Prospective,
Randomized, Controlled, Multicenter IDE Trial**

7th Annual SAS Global Symposium on Motion Preservation Technology,
May 2007, Berlin, Germany

**Motion Stabilization Hands-On Course: MAVERICK™ Total Disc
Replacement**

North American Spine Society, May 2007, Chicago, Illinois

**4th Annual “Innovative Techniques in Spine Surgery” Symposium:
MAVERICK™ Total Disc Replacement**

Spine Technology and Education Group, June 2007, Los Cabos, Mexico

Total Disc Replacement: An Evidence Based Approach

Grand Rounds University of Louisville Department of Orthopaedic Surgery,
November 2007, Louisville, Kentucky

Clinical Experience with Total Disc Replacements, US IDE Study

Lumbar Dynamic Stabilization Solutions Symposium, November 2007,
Amsterdam, Holland

**Total Disc Replacement versus Fusion? Results of a Randomized
Controlled Trial**

International Symposium on Non-Fusion Technologies in Degenerative
Diseases of the Lumbar Spine, February 2008, Munich, Germany

Disc Replacement: Session 1A

Moderator at the 15th International Meeting on Advanced Spine Techniques,
July 2008, Hong Kong, China

**Lumbar Stenosis: New Dynamic Stabilisation, MAST and Fusion
Techniques**

15th International Meeting on Advanced Spine Techniques, July 2008,
Hong Kong, China

Advanced Lumbar Dynamic and Fusion Solutions

15th International Meeting on Advanced Spine Techniques, July 2008,
Hong Kong, China

Lumbar Degenerative: Roundtable Discussion

15th International Meeting on Advanced Spine Techniques, July 2008,
Hong Kong, China

**Lumbar Posterior Motion Sparing: Devices for Patients with
Neurogenic Symptoms**

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Lumbar Degenerative: Session 3A

Moderator at the 16th International Meeting on Advanced Spine Techniques,
July 2009, Vienna, Austria

**Lumbar Anterior Fusion Options/Instrumentation (Including Lateral
Anterior Approaches): Most Current Data on Lumbar Arthroplasty**

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Lumbar Degenerative: Roundtable Discussion

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Lumbar Disc Replacement: Maverick Total Disc Replacement: Advanced Concepts and Complications

16th International Meeting on Advanced Spine Techniques, July 2009,
Vienna, Austria

Show Me the Data: Should We Be Operating on Low Back Pain?

10th Annual SAS Global Symposium on Motion Preservation Technology,
April 2010, New Orleans, Louisiana

My Practice Model, Practice Models of Medicine

Washington University School of Medicine, April 2014, St. Louis, Missouri

VI. NATIONAL/INTERNATIONAL SOCIETAL PAPERS/PRESENTATIONS

The Evaluation of Immunologic and Ultrastructural Changes During the Early Rejection of Vascularized Bone Allografts

Orthopaedic Research Society 1988, Atlanta, Georgia

The Effects of Lethal Whole Body Irradiation and Bone Marrow Transplantation in Humans

Orthopaedic Research Society 1990, New Orleans, Louisiana

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:

rhBMP-2 with Tapered Cages: A Prospective, Randomized Lumbar Fusion Study

16th Annual North American Spine Society Meeting, October 2001,
Seattle, Washington

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:

rhBMP-2 and the LT-CAGE™ Device in the Lumbar Spine

69th Annual Meeting of the American Academy of Orthopaedic Surgeons,
February 2002, Dallas, Texas

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:

Clinical and Radiographic Outcomes Results of rhBMP-2 in ALIF Procedures

9th International Meeting on Advanced Spine Techniques, May 2002,
Montreux, Switzerland

Gornet MF, Frey G, Zdeblick TA, Spine Interbody Research Group:

Factors Influencing Return to Work Following Single Level Anterior Lumbar Interbody Fusion for Degenerative Disc Disease

17th Annual North American Spine Society Meeting, October 2002,
Montreal, Canada

Gornet MF, Burkus JK, Zdeblick TA:

rhBMP-2 with Tapered Cages in Patients with Two-Level Degenerative Disc Disease

10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Gornet MF, Burkus JK:

Clinical and Radiographic Outcomes Following Two-Level Anterior Lumbar Interbody Fusion Using rhBMP-2 and Tapered Cages

10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Schuler T, Burkus JK, Gornet MF, Zdeblick TA:

The Effect of Preoperative Disc Space Height on Clinical Outcomes After Anterior Lumbar Interbody Fusion

10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Gornet MF, Burkus JK, Zdeblick TA:

rhBMP-2 with Tapered Cages in Patients with Two-Level Degenerative Disc Disease

18th Annual North American Spine Society Meeting, October 2003, San Diego, California

Schuler T, Burkus JK, Gornet MF, Zdeblick TA:

The Effect of Preoperative Disc Space Height on Clinical Outcomes After Anterior Lumbar Interbody Fusion

18th Annual North American Spine Society Meeting, October 2003, San Diego, California

Burkus JK, Heim SE, Gornet MF, Zdeblick TA:

Is rhBMP-2 Superior to Autograft Bone? An Integrated Analysis of Stand-Alone Anterior Interbody Fusion Clinical Trials

18th Annual North American Spine Society Meeting, October 2003, San Diego, California

An Arthroplasty Solution with Maverick: 2 Year Clinical Follow Up Maverick Design Rationale

4th Annual SAS Global Symposium on Motion Preservation Technology, May 2004, Vienna, Austria

Gornet MF, Burkus JK:

Recombinant Human Bone Morphogenetic Protein (rhBMP-2) vs. Allograft Bone with Bone Growth Stimulator for Patients with Degenerative Disc Disease

11th International Meeting on Advanced Spine Techniques, July 2004, Southampton, Bermuda

Gornet MF, Sandhu H, Burkus JK:

A Radiographic Assessment of Lumbar Allograft Interbody Constructs and the Effect of rhBMP-2 on Allograft Incorporation and New Bone Formation

11th International Meeting on Advanced Spine Techniques, July 2004, Southampton, Bermuda

Gornet MF, Burkus JK:

Recombinant Human Bone Morphogenetic Protein (rhBMP-2) vs. Allograft Bone with Bone Growth Stimulator for Patients with Degenerative Disc Disease

19th Annual North American Spine Society Meeting, October 2004, Chicago, Illinois

Burkus JK, Sandhu H, Gornet MF:

A Radiographic Assessment of Lumbar Allograft Interbody Constructs and the Effect of rhBMP-2 on Allograft Incorporation and New Bone Formation

19th Annual North American Spine Society Meeting, October 2004, Chicago, Illinois

Burkus JK, Gornet MF, Longley M:

A Large Randomized Clinical Evaluation of rhBMP-2 Versus Iliac Crest Bone Graft in Lumbar Spine Fusion

19th Annual North American Spine Society Meeting, October 2004, Chicago, Illinois

Burkus JK, Sandhu HS, Gornet MF:

Effect of rhBMP-2 on Allograft Incorporation and New Bone Formation in ALIF with Interbody Constructs

72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2005, Washington, DC

Burkus JK, Sandhu HS, Gornet MF:

Effect of rhBMP-2 on Allograft Incorporation and New Bone Formation in ALIF with Interbody Constructs

118th Annual Meeting of the American Orthopedic Association, June 2005, Huntington Beach, California

Glassman S, Gornet MF, Branch C, Polly D Jr, Pelosa J, Schwender JD, Carreon L:

SF-36 Outcomes After Lumbar Spine Fusion: A Multicenter Experience

12th International Meeting on Advanced Spine Techniques, July 2005
Whitecloud Clinical Award Finalist, Banff, Alberta, Canada

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA:
MAVERICK Total Disc Replacement: A Review of 12-Month Data from Five Investigational Centers
12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Burkus JK, Schuler T, Gornet MF, Zdeblick TA:
Clinical and Radiographic Outcomes after Anterior Lumbar Interbody Fusion in Patients with a Previous Discectomy
12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Polly D Jr, Branch C Jr, Burkus K, Shaffrey C, Glassman S, Gornet MF, Mathews H, Pelozo J, Sandhu H, Schuler T, Schwender J, The Lumbar Spine Study Group:
SF-36 PCS Benefit/Cost Ratio of Lumbar Fusion Comparison to other Surgical Interventions
20th Annual North American Spine Society Meeting, September 2005, Philadelphia, Pennsylvania

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA:
MAVERICK Total Disc Replacement: A Review of 12-Month Data from Five Investigational Centers
Special Interest Group presentation at the 20th Annual North American Spine Society Meeting, September 2005, Philadelphia, Pennsylvania

Taylor BA, Gornet MF, Burkus JK, Glassman SD, Schuler T:
Clinical and Radiographic Outcomes in Patients Undergoing Posterior Lumbar Interbody Fusion with rhBMP-2 for Revision Disc Surgery
Special Interest Group presentation at the 20th Annual North American Spine Society Meeting, September 2005, Philadelphia, Pennsylvania

Glassman S, Gornet MF, Branch C, Polly D Jr, Pelozo J, Schwender JD, Carreon L:
SF-36 Outcomes After Lumbar Spine Fusion: A Multicenter Experience
Special Interest Group presentation at the 20th Annual North American Spine Society Meeting, September 2005, Philadelphia, Pennsylvania

Subach BR, Glassman SD, Polly DW Jr, Branch CL, Pelozo JH, Schuler TC, Schwender JD, Gornet MF:
The Effect of Previous Discectomy on Outcome After Lumbar Spinal Fusion Surgery
40th Annual Scoliosis Research Society Meeting, October 2005, Miami, Florida

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA, Pelozza JH, Dryer RF:

Maverick™ Total Disc Replacement: Initial Report of 24-month Clinical Outcomes from Six Investigational Centers

6th Annual SAS Global Symposium on Motion Preservation Technology, May 2006, Montreal, Canada

LeHuec JC, Aunoble S, Gornet MF, Tournier C:

Hybrid Surgery for DDD: Fusion L5-S1 and Disc Prosthesis L4-L5

6th Annual SAS Global Symposium on Motion Preservation Technology, May 2006, Montreal, Canada

Mathews H, Nockels R, Gornet MF:

360 Degree Motion Preservation: How Much Motion is Necessary? A Biomechanical Study of Combined Anterior and Posterior Motion Preservation Techniques

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA, Pelozza JH, Dryer RF:

Maverick™ Total Disc Replacement: Initial Report of 24-month Clinical Outcomes from Six Investigational Centers

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Gornet MF, Mathews HH, Burkus JK, Rahn KA, LeHuec JC, Williams AL:

Maverick™ Total Disc Replacement: A Study of Device Position and Patient Outcomes at Two Years

13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Geisler F, Banco R, Cappuccino A, Gornet MF, Khoo L, Kurica K, Laich D, Laurysen C, Lazar R, Thalgott J:

Lumbar Total Disc Replacement Combined with Fusion at an Adjacent Level: Early Results from a Multi-Center Retrospective Review of a Hybrid Procedure for Multi-Level Degenerative Disease

North American Spine Society: Spine Across the Sea Meeting, July 2006, Maui, Hawaii

Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL, Schuler TC:

Facet Changes after Maverick™ Total Disc Replacement: A Study of Patient Outcomes at 24 months

21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Gornet MF, Mathews HH, Burkus JK, Johnson DR II, Rahn KA, Pelozza JH, Dryer RF:

Maverick™ Total Disc Replacement: Initial Report of 24-month Clinical Outcomes from Six Investigational Centers

Special Interest Group presentation at the 21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Gornet MF, Mathews HH, Burkus JK, Rahn KA, LeHuec JC, Williams AL:

Maverick™ Total Disc Replacement: A Study of Device Position and Patient Outcomes at Two Years

Special Interest Group presentation at the 21st Annual North American Spine Society Meeting, September 2006, Seattle, Washington

Nockels R, Gornet MF, Mathews HH, Lanman T:

Mechanical, Biomechanical and Biocompatibility Evaluation of PEEK Material Used as a Pedicle Screw Based Rod System

American Association of Neurological Surgeons 75th Annual Meeting, April 2007, Washington, DC

Gornet MF, Burkus JK, Mathews HH, Dryer RF, Pelozza JH:

MAVERICK™ Total Disc Replacement versus Anterior Lumbar Interbody Fusion with the INFUSE® Bone Graft/ LT CAGE® Device: A Prospective, Randomized, Controlled, Multicenter IDE Trial

7th Annual SAS Global Symposium on Motion Preservation Technology, May 2007, Berlin, Germany

Burkus JK, Jacobs JJ, Skipor AK, Kattner KA, Gornet MF:

Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

7th Annual SAS Global Symposium on Motion Preservation Technology, May 2007, Berlin, Germany

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

7th Annual SAS Global Symposium on Motion Preservation Technology, May 2007, Berlin, Germany

Gornet MF, Burkus JK, Mathews HH, Dryer RF, Pelozza JH:

Comparison of Single-level Lumbar Arthroplasty with Stand-alone Anterior Lumbar Interbody Fusion in Degenerative Disc Disease: Two-Year Results

14th International Meeting on Advanced Spine Techniques, July 2007, Paradise Island, Bahamas

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

14th International Meeting on Advanced Spine Techniques, July 2007, Paradise Island, Bahamas

Burkus JK, Gornet MF, Schuler TC, Kleeman TA, Zdeblick TA:

Long-term Follow Up of rhBMP-2/ACS in Lumbar Spine Fusion

42nd Annual Scoliosis Research Society Meeting, September 2007, Edinburgh, Scotland

Gornet MF, Burkus JK, Mathews HH, Dryer RF, Pelozo JH:

MAVERICK™ Total Disc Replacement versus Anterior Lumbar Interbody Fusion with the INFUSE® Bone Graft/ LT-CAGE® Device: A Prospective, Randomized, Controlled, Multicenter IDE Trial

22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

Special Interest Group presentation at the 22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Gornet MF, Burkus JK, Schuler TC, Kleeman TA, Zdeblick TA:

Long-term Follow Up (48 month) of rhBMP-2/ACS in Lumbar Spine Fusion

Special Interest Group presentation at the 22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Traynelis V, Burkus JK, Gornet MF, Jacobs JJ, Skipor AK, Kattner KA:

Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

Special Interest Group presentation at the 22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Burkus JK, Gornet MF, Kattner KA, Skipor AK, Jacobs JJ:

Serum Metal Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

8th Annual SAS Global Symposium on Motion Preservation Technology, May 2008, Miami, Florida

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Serum Metal Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

8th Annual SAS Global Symposium on Motion Preservation Technology, May 2008, Miami, Florida

Burkus JK, Gornet MF, Glassman SD, Slosar PJ, Rosner MK, Deckey JE:
The Prevalence and Clinical Significance of Antibody Formation in rhBMP-2 Spinal Fusion Studies
23rd Annual North American Spine Society Meeting, October 2008,
Toronto, Canada

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:
Prospective Study of Serum Metal Ion Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements
Special Interest Group presentation at the 23rd Annual North American Spine Society Meeting, October 2008, Toronto, Canada

Burkus JK, Gornet MF, Schuler TC, Kleeman TA, Zdeblick T:
Long-Term Follow Up of rhBMP in Lumbar Spine Fusion
76th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2009, Las Vegas, Nevada

Gornet MF, Burkus JK, Ceola W, Skipor AK, Jacobs JJ:
Serum Metal Levels in Patients with a Titanium Ceramic Composite Metal-on-Metal Cervical Disc Replacements
9th Annual SAS Global Symposium on Motion Preservation Technology, April/May 2009, London, England

Dryer R, Burkus JK, Gornet MF, Lanman T, Gunter B, Canavati I:
2-Level Cervical Disc Arthroplasty: One-year Clinical results from 6 Centers in a Prospective Randomized IDE Trial
9th Annual SAS Global Symposium on Motion Preservation Technology, April/May 2009, London, England

Gornet MF, Polly DW, Pelozo JH, Burkus K:
Economic Outcomes in a Worker's Compensation Cohort after Single-Level Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody Fusion
16th International Meeting on Advanced Spine Techniques, July 2009, Vienna, Austria

Gornet MF, Taylor BA, Pelozo JH, Bertagnoli B:
Clinical Outcomes after Cervical Disc Arthroplasty for Axial Neck Pain vs. Radiculopathy/Myelopathy
16th International Meeting on Advanced Spine Techniques, July 2009, Vienna, Austria

Gornet MF, Taylor BA, Pelozo JH, Bertagnoli B:
Clinical Outcomes after Cervical Disc Arthroplasty for Axial Neck Pain vs. Radiculopathy/Myelopathy
EuroSpine 2009 Annual Meeting, October 2009, Warsaw, Poland

Gornet MF, Burkus JK, Dryer RF, Pelozo JH:

**Lumbar Disc Arthroplasty versus Anterior Lumbar Interbody Fusion:
Five-year Outcomes for Patients in the Maverick® Disc IDE Study**

10th Annual SAS Global Symposium on Motion Preservation Technology,
April 2010, New Orleans, Louisiana

Lanman TH, Burkus JK, Dryer R, Gornet M, Gunter B, Canavati I:

**2-level Cervical Disc Arthroplasty: Clinical Results from 6 Centers in a
Prospective Randomized IDE Trial**

10th Annual SAS Global Symposium on Motion Preservation Technology,
April 2010, New Orleans, Louisiana

Gornet MF, Pelozo J, Burkus JK, Taylor BA, Dryer R, Bertagnoli R:

**Clinical Outcomes after Cervical Disc Arthroplasty for Axial Neck Pain
vs. Radiculopathy/Myelopathy**

10th Annual SAS Global Symposium on Motion Preservation Technology,
April 2010, New Orleans, Louisiana

Gornet MF, Dryer RF, Pelozo JH:

**Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody Fusion:
Five-Year Outcomes for Patients in an IDE Study**

The 17th International Meeting on Advanced Spine Techniques, July 2010,
Toronto, Canada

Gornet MF, Dryer RF, Pelozo JH, Schranck FW:

**Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody Fusion:
Five-Year Outcomes for Patients in the Maverick® Disc IDE Study**

25th Annual North American Spine Society Meeting, October 2010,
Orlando, Florida

Taylor BA, Gornet MF, Pelozo JH, Dryer RF, Schranck FW:

**Preliminary Report of Patients Treated with Multilevel Cervical Disc
Arthroplasty in an Outpatient Surgery Center on a 23-Hour
Observation Basis**

25th Annual North American Spine Society Meeting, October 2010,
Orlando, Florida

Gornet MF, Pelozo JH, Dryer RF, Jones EA, Hipp JA, Schranck FW:

**Relationship between Changes in Lumbar Lordosis and Clinical
Outcomes Following Lumbar Disc Arthroplasty**

25th Annual North American Spine Society Meeting, October 2010,
Orlando, Florida

Gornet MF, Taylor BA, Lanman TH, Pelozo JH, Dryer RF, Schranck FW:

**Clinical Outcomes after Cervical Disc Arthroplasty for Workers'
Compensation Patients**

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Pelozo JH, Dryer RF, Burkus JK, Jones EA, Hipp JA, Wharton ND, Schranck FW:

Role of Endplate Morphology on Lumbar Disc Arthroplasty Clinical and Radiographic Outcomes

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Taylor BA, Dryer RF, Pelozo JH, Lanman TH, Schranck FW:
Secondary Surgical Procedure Rates after Cervical Disc Arthroplasty at One to Four Levels

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Taylor BA, Lanman TH, Pelozo JH, Dryer RF, Schranck FW:
Clinical Outcomes for Worker's Compensation Patients after Cervical Disc Arthroplasty

26th Annual North American Spine Society Meeting, November 2011, Chicago, Illinois

Gornet MF, Taylor BA, Pelozo JH, Schranck FW:

Late Subsidence after Cervical Disc Arthroplasty at One to Four Levels

12th Annual Meeting of the International Society for the Advancement of Spine Surgery, March 2012, Barcelona, Spain

Gornet MF, Taylor BA, Schranck FW:

Clinical outcomes for workers' compensation patients after cervical disc arthroplasty

EuroSpine 2012 Annual Meeting, May 2012, Amsterdam, Netherlands

Gornet MF, Schranck FW, Taylor BA:

Late Subsidence after Cervical Disc Arthroplasty

27th Annual North American Spine Society Meeting, November 2012, Dallas, Texas

Lotz J, Peacock J, Bradford D, Gornet MF, Claude J, Kane P, Stewart D, Schranck FW:

Non-invasive In-vivo MR Spectroscopy of Non-herniated versus Herniated Painful Lumbar Discs

13th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2013, Vancouver, BC, Canada

Gornet MF, Taylor BA, Schranck FW, Kopjar B:

Predictors of Success after Cervical Disc Arthroplasty

13th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2013, Vancouver, BC, Canada

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Predictors of Success after Cervical Disc Arthroplasty

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Gornet MF, Schranck FW, Wharton, N, Hipp JA:

Optimizing Success with Lumbar Disc Arthroplasty

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Lotz JC, Gornet MF, Peacock JC, Hu SS, Schranck FW, Stewart D:

Single Voxel MR Spectroscopy Distinguishes Non-Herniated Painful from Herniated Painful and Non-Painful Lumbar Discs

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Peacock JC, Gornet MF, Lotz JC, Bradford DS, Claude JP, Kane P, Stewart D, Schranck FW:

In-vivo MR Spectroscopy of Painful versus Non-painful Lumbar Discs – An Intra-Patient Comparative Algorithm for Non-invasive, Objectively Quantified Painful Disc Diagnosis

14th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2014, Miami, Florida

Gornet MF, Schranck FW, Singh V, Skipor AK, Jacobs JJ:

Prospective Study on Serum Metal Levels up to 84 Months after Surgery in Patients with Metal-on-Metal Cervical Disc Arthroplasty

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Wymore K, Schranck FW, Wharton ND, Hipp JA:

Importance of Avoiding an Anterior Center of Rotation with Cervical Disc Arthroplasty

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Burkus JK, Shaffrey ME, Argires PJ:

Cervical Disc Arthroplasty vs. Anterior Cervical Discectomy and Fusion: Seven-year Outcomes from a Prospective, Multicenter Investigational Device Exemption Study

15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Lanman T, McConnell J, Burkus JK, Dryer RF, Hodges S:
Two-level Cervical Disc Arthroplasty vs. ACDF: A Prospective, Randomized, Controlled Multicenter Clinical Trial with 5-Year Results
EuroSpine 2015 Annual Meeting, September 2015, Copenhagen, Denmark

Gornet MF, Singh V, Schranck FW, Skipor AK, Jacobs JJ
Titanium Ion Levels in Patients with Metal-on-Metal Cervical Disc Arthroplasty: A Prospective Study Up to 84 Months
EuroSpine 2015 Annual Meeting, September 2015, Copenhagen, Denmark

Gornet MF, Burkus JK, Shaffrey ME, Nian H, Harrell FE:
Cervical Disc Arthroplasty with PRESTIGE LP Disc Versus Anterior Cervical Discectomy and Fusion: Seven-Year Outcomes
30th Annual North American Spine Society Meeting, October 2015, Chicago, Illinois

Gornet MF, McConnell JR, Burkus JK, Lanman TH, Dryer RF, Hodges SD, Nian H, Harrell FE:
Two-Level Cervical Disc Arthroplasty with PRESTIGE LP Disc Versus ACDF: A Prospective, Randomized, Controlled Multicenter Clinical Trial with 24-Month Results
30th Annual North American Spine Society Meeting, October 2015, Chicago, Illinois

Gornet MF, Singh V, Schranck FW, Skipor AK, Jacobs JJ:
Serum Metal Ion Levels after Surgery in Patients with Metal-on-Metal Cervical Disc Arthroplasty: A Prospective Study Up to 84 Months
30th Annual North American Spine Society Meeting, October 2015, Chicago, Illinois

Gornet MF, Hipp JA, Wharton ND, Schranck FW, Copay AG, Wymore BS
Analysis of factors associated with heterotopic ossification following cervical disc arthroplasty
16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Gornet MF, Hipp JA, Wharton ND, Schranck FW, Copay AG, Schranck CR, Wymore BS
Cervical disc arthroplasty design and the stability of the treated level
16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Lanman TH, Burkus JK, Dryer RG, Gornet MF, McConnell J, Hodges SC
Long-Term Clinical and Radiographic Outcomes of an Artificial Cervical Disc Replacement at Two Levels: Results from a Level 1 Prospective Randomized Controlled Clinical Trial

2016 Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, May 2016, Chicago, Illinois

McConnell J, Gornet MF, Lanman TH, Dryer RG, Hodges SC
Long Term Clinical and Radiographic Results of Two-level Cervical Total Disc Replacement from a Level 1 Prospective, Randomized, Clinical Trial

23rd International Meeting on Advanced Spine Techniques, July 2016, Washington, DC

Gornet MF, Lanman TH, Burkus JK, Dryer RG, McConnell JR, Hodges SD
Two-Level Cervical Disc Arthroplasty with PRESTIGE LP Disc vs. Anterior Cervical Discectomy and Fusion: Seven-Year Outcomes of a Prospective, Randomized IDE Clinical Trial

31st Annual North American Spine Society Meeting, October 2016
Boston, Massachusetts

Gornet MF, Hipp JA, Copay AG, Schranck FW
Objective radiographic disc integrity metric identifies disc abnormalities in whiplash patients

31st Annual North American Spine Society Meeting, October 2016
Boston, Massachusetts

Gornet MF, Hipp JA, Copay AG, Schranck FW.
Are the cervical spines of “Whiplash” patients different?

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Hipp JA, Copay AG, Schranck FW.
The Effect of Abnormal Disc Mechanics on Activities of Daily Living

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Copay AG, Schranck FW.
Cervical Disc Arthroplasty for Axial Neck Pain vs. Radiculopathy/Myelopathy: A Comparison of Clinical and Functional Outcomes

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, R. Wohns, J. Billinghamurst, D. Brett, R. Kube
Comparison of Outcomes after CDA in an Ambulatory Surgery Center vs. Hospital Setting

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

EuroSpine 2017, Annual Meeting, October 2017, Dublin, Ireland

Zigler J, Gornet MF, Ferko N, Cameron C, Schranck FW, Patel L

Long-Term Outcomes of Lumbar Total Disc Replacement versus Spinal Fusion for the Treatment of DDD: A Novel Meta-Analysis of Randomized Controlled Trials

EuroSpine 2017, Annual Meeting, October 2017, Dublin, Ireland

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

32^d Annual North American Spine Society Meeting, October 2017, Orlando, FL

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

32^d Annual North American Spine Society Meeting, October 2017, Orlando, FL

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Riew KD, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Copay AG, Schranck FW

Long-term Outcomes of Arthroplasty for Cervical Myelopathy versus Radiculopathy, And Arthroplasty versus Arthrodesis for Cervical Myelopathy

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Lotz JC, Eastlack RK, Peacock J, Schranck FW, Claude J, Copay AG.

Non-Invasive In Vivo MR Spectroscopy of Lumbar Discs Correlates with Provocation Discography & Fusion Surgery Outcomes

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Schranck FW, Copay AG, Sorensen KM.

Outcomes of 3- and 4-level Cervical Disc Arthroplasty

18th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2018, Toronto, Canada.

Gornet MF, Lotz JC, Eastlack RK, Peacock J, Schranck FW, Claude J, Copay AG.

Non-Invasive In Vivo MR Spectroscopy of Lumbar Discs Correlates with Provocation Discography & Fusion Surgery Outcomes

33rd Annual Meeting of the North American Spine Society, September 2018, Los Angeles, CA.

Gornet MF, Schranck FW, Copay AG, Sorensen KM.

Outcomes of 3- and 4-level Cervical Disc Arthroplasty

33rd Annual Meeting of the North American Spine Society, September 2018, Los Angeles, CA.

Gornet MF, Burkus JK, Shaffrey ME.

Cervical Disc Arthroplasty: 10-year Results

33rd Annual Meeting of the North American Spine Society, September 2018, Los Angeles, CA.

VII. SCIENTIFIC EXHIBITS/POSTERS

Burkus JK, Gornet MF, Dickman CA, Zdeblick TA:

Anterior Lumbar Interbody Fusion Using Tapered Fusion Cages and rhBMP-2

e-Poster Presentation – 9th International Meeting on Advanced Spine Techniques, May 2002, Montreux, Switzerland

Gornet MF:

Clinical and Radiographic Outcomes Following Staged Anterior-Posterior Spinal Fusion Using a Vertebral Body Allograft

e-Poster Presentation – 10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Burkus JK, Schuler T, Gornet MF, Zdeblick TA:

Clinical and Radiographic Outcomes After Anterior Lumbar Interbody Fusion Using rhBMP-2 in Patients with a Previous Discectomy

e-Poster Presentation – 10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Burkus JK, Heim SE, Gornet MF, Zdeblick TA:

Is rhBMP-2 Superior to Autograft Bone? An Integrated Analysis of Stand-Alone Anterior Interbody Fusion Clinical Trials

e-Poster Presentation – 10th International Meeting on Advanced Spine Techniques, July 2003, Rome, Italy

Gornet MF:

Clinical and Radiographic Outcomes Following Staged Anterior-Posterior Spinal Fusion Using a Vertebral Body Allograft

Poster presentation – 18th Annual North American Spine Society Meeting, October 2003, San Diego, California

Gornet MF, Longley M, Burkus JK:

A Large Randomized Clinical Evaluation of rhBMP-2 Versus Iliac Crest Bone Graft in Lumbar Spine Fusion

e-Poster presentation – 11th International Meeting on Advanced Spine Techniques, July 2004, Southampton, Bermuda

Subach B, Glassman SD, Polly D Jr, Branch C, Pelozo J, Schuler T, Schwender J, Gornet MF:

The Effect of Previous Discectomy on Outcome After Lumbar Spinal Fusion Surgery.

e-Poster/Standard poster presentation – 12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Gornet MF, Glassman SD, Polly D Jr, Branch C, Pelozo J, Schuler T, Schwender JD, Subach B, Lumbar Spine Study Group:

Lumbar Spinal Fusion Surgery: Early Differences in Clinical Outcome between Males and Females

e-Poster presentation – 12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Gornet MF, Taylor BA, Burkus JK, Glassman SD, Schuler TC:

Clinical and Radiographic Outcomes in Patients Undergoing Posterior Lumbar Interbody Fusion with rhBMP-2 for Revision Disc Surgery

e-Poster presentation – 12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Burkus JK, Gornet MF, Mathews HH:

Effect of Preoperative Spondylolisthesis on Functional Outcome in Patients Treated with Stand-Alone Anterior Lumbar Spinal Fusion Surgery for Degenerative Disc Disease

e-Poster presentation – 12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Burkus JK, Gornet MF:

Long Term Prospective Follow-Up in Patients Undergoing Stand-Alone Single Level Anterior Lumbar Interbody Fusion with Threaded Cortical Bone Dowels Comparing rhBMP-2 and Iliac Crest Autograft
e-Poster presentation – 12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Polly D Jr, Branch C Jr, Burkus JK, Shaffrey C, Glassman SD, Gornet MF, Mathews HH, Pelozo J, Sandhu H, Schuler T, Schwender J, Lumbar Spine Study Group:

SF-36 PCS Benefit/Cost Ratio of Lumbar Fusion Comparison to other Surgical Interventions

e-Poster presentation – 12th International Meeting on Advanced Spine Techniques, July 2005, Banff, Alberta, Canada

Burkus JK, Gornet MF:

Long Term Prospective Follow-Up in Patients Undergoing Stand-Alone Single Level Anterior Lumbar Interbody Fusion with Threaded Cortical Bone Dowels Comparing rhBMP-2 and Iliac Crest Autograft

Poster presentation – 20th Annual North American Spine Society Meeting, September 2005, Philadelphia, Pennsylvania

Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL, Schuler TC:

Facet Changes after Maverick™ Total Disc Replacement: A Study of Patient Outcomes at 24 months

e-Poster presentation – 13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Gornet MF, Mathews HH, Nockels R, Lanman T, Sanders EH, Dewey J, Veldman M, Schranck F:

Mechanical, Biomechanical and Biocompatibility Evaluation of a PEEK Rod Based Pedicle Screw System

e-Poster presentation – 13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Glassman S, Gornet MF, Subach B, Schuler T, Schwender J, Carreon L:

Detecting Nonunion with Metallic Anterior Interbody Cages

e-Poster presentation – 13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Geisler F, Banco R, Cappuccino A, Gornet MF, Khoo L, Kurica K, Laich D, Laurysen C, Lazar R, Thalgott J:

Lumbar Total Disc Replacement Combined with Fusion at an Adjacent Level: Early Results from a Multi-Center Retrospective Review of a Hybrid Procedure for Multi-Level Degenerative Disease

e-Poster presentation – 13th International Meeting on Advanced Spine Techniques, July 2006, Athens, Greece

Glassman S, Gornet MF, Subach B, Schuler T, Schwender J, Carreon L:
Detecting Nonunion with Metallic Anterior Interbody Cages
e-Poster presentation – 21st Annual North American Spine Society Meeting,
September 2006, Seattle, Washington

Gornet MF, Burkus JK, Mathews HH, Rahn KA, LeHuec JC, Williams AL,
Schuler TC:

**Facet changes after Maverick™ Total Disc Replacement: A study of
patient outcomes at 24 months**

Poster presentation – 7th Annual SAS Global Symposium on Motion
Preservation Technology, May 2007, Berlin, Germany

Gornet MF, Mathews HH, Burkus JK, Rahn KA, LeHuec JC, Williams AL:

**Maverick™ Total Disc Replacement: A study of device position and
patient outcomes at two years**

Poster presentation – 7th Annual SAS Global Symposium on Motion
Preservation Technology, May 2007, Berlin, Germany

Gornet MF, Pelozo J, Burkus JK, Dryer R, Mathews HH:

**Repeat Anterior Lumbar Spine Surgery Following Clinical Use of a
Bioresorbable Thin Film Barrier of Polylactic Acid with a Lumbar Disc
Arthroplasty**

e-Poster presentation – 14th International Meeting on Advanced Spine
Techniques, July 2007, Paradise Island, Bahamas

Burkus JK, Jacobs JJ, Skipor AK, Kattner KA, Gornet MF:

**Prospective Study of Serum Metal Ion Levels in Patients with Stainless
Steel Metal-on-Metal Cervical Disc Replacements**

e-Poster presentation – 14th International Meeting on Advanced Spine
Techniques, July 2007, Paradise Island, Bahamas

Nockels RP, Gornet MF, Lanman T, Mathews HH:

**Early Clinical Experience with Semi-Rigid (PEEK) Posterior
Instrumentation in Lumbar Fusion**

e-Poster presentation – 14th International Meeting on Advanced Spine
Techniques, July 2007, Paradise Island, Bahamas

Carreon L, Glassman S, Schwender JD, Subach B, Gornet MF, Ohno S:

**Reliability and Accuracy of Fine-cut CT Scans to Determine the Status
of Anterior Interbody Fusions with Metallic Cages**

e-Poster presentation – 14th International Meeting on Advanced Spine
Techniques, July 2007, Paradise Island, Bahamas

Burkus JK, Gornet MF, Mathews HH, Dryer R, Pelozo J:

Comparison of Single-Level Lumbar Metal-on-Metal Arthroplasty with Stand-Alone Anterior Lumbar Interbody Fusion in Degenerative Disc Disease: Two-Year Results

Poster presentation – 42nd Annual Scoliosis Research Society Meeting, September 2007, Edinburgh, Scotland

Burkus JK, Skipor AK, Kattner KA, Gornet MF, Jacobs JJ:

Prospective Study of Serum Metal Ion Levels in Patients with Stainless Steel Metal-on-Metal Cervical Disc Replacements

Poster presentation – 42nd Annual Scoliosis Research Society Meeting, September 2007, Edinburgh, Scotland

Carreon L, Glassman S, Schwender J, Subach B, Gornet MF, Ohno S:

Detecting Nonunion with Metallic Anterior Interbody Cages

e-Poster presentation - 22nd Annual North American Spine Society Meeting, October 2007, Austin, Texas

Gornet MF, Ceola W, Skipor AK, Jacobs JJ:

Serum Metal Levels in Patients with a Titanium Ceramic Composite Metal-on-Metal Cervical Disc Replacements

8th Annual SAS Global Symposium on Motion Preservation Technology, May 2008, Miami, Florida

Gornet MF, Burkus JK, Skipor AK, Jacobs JJ:

Serum Metal Levels in Patients with Cobalt-Alloy Metal-on-Metal Lumbar Disc Replacements

15th International Meeting on Advanced Spine Techniques, July 2008, Hong Kong, China

Taylor B, Gornet M, Nockels R, Lanman T:

Comparison of Clinical Outcomes After Anterior Lumbar Interbody Fusion with Semi-Rigid (PEEK) or Rigid (Ti) Posterior Instrumentation

15th International Meeting on Advanced Spine Techniques, July 2008, Hong Kong, China

Gornet MF, Ceola WM, Burkus JK, Skipor AK, Jacobs JJ:

Serum Metal Ion Levels in Patients with a Titanium Ceramic Composite Metal-on-Metal Cervical Disc Replacement

e-Poster presentation – 23rd Annual North American Spine Society Meeting, October 2008, Toronto, Canada

Burkus JK, Gornet MF, Glassman SD, Slosar PJ, Rosner MK, Deckey JE:

The Prevalence and Clinical Significance of Antibody Formation in rhBMP-2 Spinal Fusion Studies

Poster presentation – 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, February 2009, Las Vegas, Nevada

Gornet MF, Taylor BA, Kuklo TR, Nockels RP, Lanman TH:

Does Clinical Load Sharing of the Interbody Space Enhance Fusion? A Comparison of Rigid (Titanium) versus Semi-Rigid (PEEK) Posterior Instrumentation on Interbody Bone Volume

Oral poster presentation – 2009 Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 2009, Phoenix, Arizona

Gornet MF, Ceola WM, Burkus JK, Skipor AK, Jacobs JJ:

Serum Metal Ion Levels in Patients with a Titanium Ceramic Composite Metal-on-Metal Cervical Disc Replacement

Digital poster presentation – 2009 Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 2009, Phoenix, Arizona

Gornet MF, Polly DW, Pelozo JH, Burkus JK:

Economic Outcomes in a Worker's Compensation Cohort After Single-Level Lumbar Disc Arthroplasty vs. Anterior Lumbar Interbody Fusion

Oral poster presentation – 9th Annual SAS Global Symposium on Motion Preservation Technology, April-May 2009, London, England

Donald G, Miz G, Theofilos C, Gornet MF, Strauss K:

In vitro Spine Biomechanical Comparison between Ti-6Al-4V and Nitinol (NiTi) Rod Constructs

Oral poster presentation – 9th Annual SAS Global Symposium on Motion Preservation Technology, April-May 2009, London, England

Gornet MF, Taylor BA, Kuklo TR, Nockels RP, Lanman TH:

Impact of Stress Shielding on Interbody Bone Volume after Lumbosacral Fusion with Supplemental Instrumentation Using Oval-Shaped PEEK Rods vs. Titanium Rods

e-Poster presentation – 16th International Meeting on Advanced Spine Techniques, July 2009, Vienna, Austria

Gornet MF, Taylor BA, Nockels RP, Lanman TH:

Comparison of 24-Month Clinical Outcomes after Anterior Lumbar Interbody Fusion with Semi-Rigid, Oval-Shaped PEEK or Rigid Titanium Posterior Instrumentation

e-Poster presentation – 16th International Meeting on Advanced Spine Techniques, July 2009, Vienna, Austria

Gornet MF, Pelozo JH, Dryer RF, Jones EA, MD, Hipp JA, Schranck FW:

Relationship between Changes in Lumbar Lordosis and Clinical Outcomes Following Lumbar Disc Arthroplasty

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Taylor BA, Gornet MF, Pelozo JH, Schranck FW:

Report of Patients Treated with Cervical Disc Arthroplasty at Two to Four Levels on an Outpatient, 23-Hour Observation Basis

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Gornet MF, Pelozo JH, Dryer RF, Jones EA, Hipp JA, Schranck FW:

Role of Endplate Morphology on Lumbar Disc Arthroplasty Clinical and Radiographic Outcomes

The 17th International Meeting on Advanced Spine Techniques, July 2010, Toronto, Canada

Gornet MF, Pelozo JH, Dryer RF, Burkus JK, Jones EA, Hipp JA, Wharton ND, Schranck FW:

The Relationship between Global Range of Motion and Clinical Outcomes in Lumbar Disc Arthroplasty Patients

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Pelozo JH, Dryer RF, Burkus JK, Jones EA, Hipp JA, Wharton ND, Schranck FW:

Relationship between Changes in Lumbar Lordosis and Clinical Outcomes Following Lumbar Disc Arthroplasty

11th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2011, Las Vegas, Nevada

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Two-year Patient Outcomes after Single vs. Multi-level Cervical Disc Arthroplasty

13th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2013, Vancouver, BC, Canada

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Two-year Patient Outcomes after Single vs. Multi-level Cervical Disc Arthroplasty

28th Annual North American Spine Society Meeting, October 2013, New Orleans, Louisiana

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Does Worker's Compensation Status Affect Outcomes of Cervical Disc Arthroplasty? A Comparative Prospective Study

14th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2014, Miami, Florida

Gornet MF, Schranck FW, Taylor BA, Kopjar B:

Does Mental Health Status Affect Outcomes of Cervical Disc Arthroplasty?

14th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2014, Miami, Florida

Gornet MF, Schranck FW, Tang F, Nian H, Harrell FE:

Results of an Independent Statistical Analysis from the FDA-Approved Clinical and Radiographic Study of an Artificial Disc at 24 Months

Oral poster presentation – 15th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2015, San Diego, California

Gornet MF, Hipp JA, Wharton ND, Schranck FW, Copay AG, Wymore BS
New Evidence Supporting Instability as a Contra-Indication to Lumbar Disc Arthroplasty

16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Gornet MF, Hipp JA, Schranck FW, Copay AG, Schranck CR, Wymore BS
A flexion-extension stress-test for the lumbar spine

16th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2016, Las Vegas, Nevada

Gornet MF, Hipp JA, Schranck FW, Copay AG

Abnormal pre-operative disc mechanics does not impair the outcomes of CDA

31st Annual North American Spine Society Meeting, October 2016
Boston, Massachusetts

Gornet MF, Hipp JA, Copay AG, Schranck FW.

A 3D knowledge-based grading system for heterotopic ossification following cervical disc arthroplasty

17th Annual Meeting of the International Society for the Advancement of Spine Surgery, April 2017, Boca Raton, FL

Gornet MF, Lanman TH, Burkus JK, Hodges SD, McConnell JR, Dryer RG, Schranck FW, Copay AG

Comparison of 7-Year Results of One-Level versus Two-Level Cervical Disc Arthroplasty and Fusion

EuroSpine 2017, Annual Meeting, October 2017, Dublin, Ireland

VIII. ORGANIZATIONS

American Academy of Orthopaedic Surgeons
AOSpine
North American Spine Society
International Society for the Advancement of Spine Surgery