

Curriculum Vitae

Revised: September 2, 2012

Name: John G. Heller, M.D.

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Citizenship:

U.S.A.

Current Titles and Affiliations:

Academic Appointments

Primary Appointments

Professor, Department of Orthopaedic Surgery
1999 - Present

Assistant Chief, Department of Orthopaedics
Emory University Hospital

Other Administrative Appointments

Director, Spine Fellowship
Emory Spine Center
1999 - present

Previous Academic and Professional Appointments:

Associate Professor, Department of Orthopaedics,
1994-1999, Emory University School of Medicine,
Atlanta, Georgia

Assistant Professor, Department of Orthopaedics,
1989-1994,
Emory University School of Medicine, Atlanta, Georgia

Director of Education
Emory Clinic Spine Center
1990-1999

Previous Administrative Appointments:

1991 - 1994 Surgical Case Review Committee
Emory University Hospital
Atlanta, Georgia

1994 - 1997 Benefits Committee
The Emory Clinic, Inc.

1998- Present CEO Advisory Committee
The Emory Clinic, Inc.

Licensure/Boards

6/8/89 031940 Georgia
Passed Written Boards, 1988
Passed Oral Boards, 1991
Recertified 2000

Speciality Boards

1991 American Board of Orthopaedic Surgery
2000 Recertified, American Board of Orthopaedic Surgery

Education:

A.B., Biochemistry, 1979
Harvard University
Cambridge, Massachusetts

M.D., 1983
Johns Hopkins University School of Medicine
Baltimore, Maryland

Postgraduate Training:

Department of Orthopaedic Surgery, 1983-1988
Case Western Reserve University School of Medicine
Cleveland, Ohio

Fellowship in Spine Surgery with Steven R. Garfin, M.D., 1988-1989
University of California Medical Center
San Diego, California

Committee Memberships:

Cervical Spine Research Society
Clinical Outcomes Committee 1997 - present

(Chairman 1997 - 2001)

Cervical Spine Research Society
Program Committee 1998 - 2001
(Chairman 2000)

CEO Advisory Committee
The Emory Clinic 1998 - present

State of Georgia Medicare Advisory Board
Georgia Orthopaedic Society Representative 2000 - present

Georgia State Board of Worker's Compensation
2006 Steering Committee 2006
2007 Steering Committee 2007

Editorships:

Journal of Spinal Disorders -1998 - present

Manuscript Reviewer:

Journal of the American Academy of Orthopaedic Surgeons 1998-Present

Spine - 1994 - Present

Neuro-orthopaedics 1996- 2000

Honors and Awards:

CIBA Community Service Award, 1983

Cervical Spine Research Society Research Award, 1989

Orthopaedic Faculty Member of the Year, Emory University School of Medicine,
1995-1996

Kashiwagi-Suzuki Japanese Traveling Fellowship (Japanese
Orthopaedic Association and American Academy of
Orthopaedic Surgeons, April 1-27, 1996

Mario Boni Award for Outstanding Paper, European Cervical Spine
Research Society, 2000

Georgia Orthopaedic Society Outstanding Paper Award - 2000

Volvo Award for Low Back Pain Research, 2002

Society Memberships:

American Academy of Orthopaedic Surgeons

Cervical Spine Research Society

Secretary, 2005

American Orthopaedic Association

North American Spine Society

Spine Arthroplasty Society

The Spine Study Group

American Medical Association

Atlanta Orthopaedic Society
Spine and Wine Society
Kelly Orthopaedic Society
Charles H. Herndon Society
Georgia Orthopaedic Society
Little Orthopaedic Club

Organization of National or International Conferences:

Sessions as chair:

1. Cervical Spine Research Society 24th Annual Meeting
Local Host, Atlanta, Georgia 1996
- 2.. Debating Complex Issues in Spine Surgery: American Academy of
Orthopaedic Surgery, CME Course, Chicago, IL, April 1998
3. Complex Issues in Spine Surgery: American Academy of Orthopaedic
Surgeons: CME Course, Sarasota, Florida, March 1999
4. Complex Issues in Spine Surgery. American Academy of Orthopaedic
Surgeons CME Course, Vail, Co. May, 2000
- 5.. Cervical Spine Research Society 28th Annual Meeting. Program Chairman
November 30-December 2, 2000
6. Federation of Spine Association, Annual Meeting CSRS Program Chair
March 2001
7. Complex Issues in Spine Surgery. American Academy of Orthopaedic
Surgeons CME Course, May 2001
8. Emerging Concepts in Spine Surgery. Chairman
Key Largo, FL, May 3-4, 2002

Research Focus:

My primary clinical and research focus within the sub-discipline of spine surgery has been disorders of the cervical spine. My basic science investigations have been principally biomechanical studies regarding methods of reconstruction/internal fixation of the cervical spine. Clinical results of these techniques have been reported, and other investigations are ongoing. Additionally, building on what I gleaned from my Traveling Fellowship in Japan, investigations of alternative methods of surgical treatment for multi-level cervical spondylitic myelopathy are under way. Related areas of clinical investigation include infections and tumors of the spine, and spinal imaging.

Grant Support:**Current:**

rhBMP-2/BCP/TSRH Spinal System Posterolateral Clinical Trial

Sofamor Danek

PI. 1999 - Present

Previous Support

- 1997 CSRS Anterior Cervical Fusion Study, (\$215,000 per year 1997-2000).
- 1995 AO Foundation Research Grant #95-H70: "Cervical Lateral Mass Screws v. Cervical Pedicle Screws - a biomechanical and anatomical study" (\$25,932).
- 1993 Danek Medical Group grant (\$40,000) to hire clinical research coordinator in order to facilitate implementation of computerized data base for retrospective and prospective clinical studies.
- 1992 The Effect of Nicotine on Revascularization of Bone Grafts, OREF, \$40,000.

rhBMP-2/ACS/Novus Lt-Lap Device Clinical Trial

Sofamore Danek

PI. November 1998 - May 2002

Formal Teaching:**Residency Program:**

1. Supervision of Monthly Spine Conferences
2. Teaching and Supervision of Spinal Surgery Techniques
Orthopaedic Residents & Spine Fellows, Emory University Hospital

Other Categories:

1. Whiplash. (Lecture presented at Piedmont Hospital, Grand Rounds, 1989.)
2. Anatomical comparison of the Roy-Camille and Magerl techniques for screw fixation of the lower cervical spine. (Presented at the Kelly Orthopaedic Society Meeting, Callaway Gardens, Georgia, 1990.)
3. Quantitative dens morphology. (Presented at the Kelly Orthopaedic Society Meeting, Callaway Gardens, Georgia, 1990.)
4. Transternal approach to the lower cervical and upper thoracic spine: case presentation. (Presented at the Spine and Wine Society Meeting, Cleveland, 1990.)

5. Differential diagnosis and treatment of low back pain, Physician's Assistant Student Lecture, July, 1992.
- 6.. Disorders of the Spine, Physician's Assistant Student Lecture, July, 1992. Whiplash.

Supervisory Teaching:

Thesis advisor to masters degree candidates in Biomedical Engineering, Georgia Institute of Technology (Georgia Tech)

Lectureships, Seminar Invitations, and Visiting Professorships:

1. Korean Orthopaedic Society Guest Speaker. Syndromes of Multi-level Degenerative Cervical Disc Disease and Surgical Treatment, Pusan, Korea April 20, 2001
2. Korean Orthopaedic Society Guest Speaker. Clinical Applications of BMP in Humans. Pusan, Korea, April 20, 2001
3. Cervical Spine Update: State of the Art Hands-On Bioskills Workshop. 1) Posterior Cervical Instrumentation 2) Cervical Myelopathy (Posterior Approach) Laminoplasty v. Laminectomy, 3) Upper Cervical Instabilities. New England Baptist Hospital, Boston, Mass April 27-28, 2001

Invitations to National or International Conferences:

1. American Academy of Orthopaedic Surgeons, 2002 Annual Meeting
“Complications of Anterior Cervical Surgery” Scientific Exhibit
2. International Society for the Study of the Lumbar Spine 29th Annual Meeting. May 14-18, 2002.
“Use of rhBMP-2 to achieve posterolateral spine fusion in humans: a prospective and randomized clinical pilot trial.
3. Cervical Spine Research Society European Section. June 16-17, 2005
“Postoperative Airway or Swallowing Disturbance Associated with Use of RHBMP-2 in the Anterior Cervical Spine”
4. Cervical Spine Research Society European Section. June 16-17, 2005
“A Cadaveric Study Comparing the Effect of an Artificial Cervical Disc versus Anterior Cervical Simulated Fusion on Adjacent Segment Disc Pressures”
5. Cervical Spine Research Society European Section. June 16-17, 2005
“Artificial Cervical Disc Versus Fusion for the Treatment of Cervical Radiculopathy: a Randomized Prospective Study”

6. American Academy of Orthopaedic Surgeons . November 10-12, 2005
“Post-Surgical Infections”

Cervical Spine Research Society 33rd Annual Meeting, San Diego, Calif. Dec 1-3, 2005

“Return to work analysis of patients treated with an artificial cervical disc or an arthrodesis”

“MR imaging clarity of the Bryan, Prodisc-C, Prestige LP and PCM Cervical Arthroplasty Devices”

“Increased postoperative airway or swallowing complications associated with use of rhBMP-2 in anterior cervical fusions”

“Recombinant BMP-2 can overcome the inhibitory effect of Adriamycin in posterolateral fusions in a rabbit model”

Spine Arthroplasty Society Montreal, Quebec, Canada, May 9-13, 2006

“Return to work analysis of patients treated with an artificial cervical disc or an arthrodesis”

North American Spine Society Spine Across the Sea 2006. Maui, Hawaii, July 23-27, 2006

“RhBMP-2 enhancement of posterolateral spinal fusion in a rabbit model in the presence of concurrently administered Doxorubicin”

“Comparison of Cervical Spinal Disorders and Operations Between Japan and USA”

7. International Society for the Study of Lumbar Spine 33rd Annual Meeting, Bergen, Norway. June 13-17, 2006

“The Use of RHBMP-2 in posterolateral spinal fusion can overcome inhibition of fusion by doxorubicin in a rabbit model”

“Open cement augmentation and lumbar decompression with or without posterior instrumentation for the operative management of thoracolumbar stenosis secondary to osteoporotic burst fractures”

Other Activities:

1. Edwards CC III, Heller JG, Murakami H, Rodts G. Laminoplasty vs.

Laminectomy and Fusion for Multi-Level Cervical Myelopathy. Kelly Research Days, April 13-15

2. Office Orthopaedics: Sports Medicine and Spine Problems, Atlanta, Georgia
“Pertinent History and Physical Exam of Neck and Arm Pain”
“How to Perform A Time Efficient Neurologic Examination”
“Neck and Arm Pain: Pertinent History and Physical Exam”
“Osteoporotic Vertebral Compression Fractures”

Office Orthopaedics, Sports Medicine and Spine Problems, Emory University School of Medicine, March 28 – 29, 2003

- “Pertinent History and Physical Exam of Neck and Arm Pain”
- “Osteoporotic Fractures”
- “How to Perform a Time-Efficient Neurological Exam”

Office Orthopaedics, Sports Medicine and Spine Problems
Emory University School of Medicine Department of Orthopaedics
March 26-27, 2004

- “Pertinent History and Physical Exam of Neck and Arm Pain”
- “Osteoporotic Fractures”
- “How to Perform a Time Efficient Neurological Exam”

AOA Kellogg Leadership Series Module One, Kellogg School of Management, Northwestern University, Evanston, Illinois. November 18-20, 2005

Office Orthopaedics, Sports Medicine and Spine Problems
Emory University School of Medicine
March 31 – April 1, 2006

- “Treatment of Osteoporotic Fractures”
- “How to perform a time-efficient neurological examination”

Georgia State Board of Worker’s Compensation, August 27, 2007
“The Failed Back Patient/Failed Pain Management Patient
Panel Discussion

“Doctor’s Depositions from the Deponent’s Perspective”

Bibliography:

Publications in Refereed Journals:

1. Delamarter RB, Heller JG, Bohlman HH: (1989) Cervical pneumomyelogram secondary to a closed fracture - dislocation of the thoracic spine: a case report. Spine 14:1421-22.
2. Garfin SR, Heller JG: (1989) The operative reduction of spondylolisthesis: indications, results and complications. Seminars in Spine Surgery 2:125-132.

3. Cornacchia LG, Abitbol JJ, Heller JG, et al: (1991) Blunt injuries to the extracranial cerebral vessels associated with spine fractures. *Spine* 16(S):506-510
4. Heller JG, Carlson GD, Abitbol JJ, Garfin SR: (1991) Anatomical comparison of the Roy-Camille and Magerl techniques for screw placement in the lower cervical spine, *Spine* 16S:552-557.
5. Abdul-Karim F, Heller JG, Pathria M, Sorenson RU: (1991) Cryptococcal osteomyelitis. *Skeletal Radiology*, 20:227-229.
6. Heller JG. (1992) The syndromes of degenerative cervical disease. *Orthop Clin N Amer* 23(3):381-394.
7. Schaffler MB, Alson MD, Heller JG, Garfin SR: (1992) Morphology of the dens: a quantitative study. *Spine*, 17(7):738-743.
8. Heller JG, Alson MD, Schaffler MB, Garfin SR: (1992) Quantitative internal dens morphology. *Spine*, 17(8):861-866.
9. Heller JG, Garfin SR, Abitbol JJ: (1992) Disc herniations associated with compression instrumentation of lumbar flexion-distraction injuries, *Clinical Orthopaedics and Related Research* (284)91-98.
10. Massie BS, Heller JG, Abitbol JJ, McPherson D, Garfin SR: (1992) Postoperative spinal wound infections. *CORR* (284)99-108.
11. Heller JG, Zdeblick TA, Kunz DA, McCabe R, Cooke ME: (1993) Spinal instrumentation for metastatic disease: in vitro biomechanical analysis. *J Spinal Disorders* 6:17-22
12. Heller JG, Levy M, Barrow DL: (1993) Odontoid fracture malunion with fixed atlantoaxial subluxation - A case report. *Spine*, 18:311-314,
13. Heller JG, Amrani J, Hutton WC: (1993) Transverse ligament failure: a biomechanical study. *J Spinal Disorders* 6:162-165.
14. Albert TJ, Balderston RA, Heller JG, Herkowitz HN, Garfin SR, Tomany K, An HS and Simeone FA: (1993) Upper lumbar disc herniations. *Journal of Spinal Disorders* 6(4):351-359.
15. Heller JG, Viroslav S, Hudson T: (1993) Jefferson fractures: the role of the magnification artifact in assessing transverse ligament integrity. *J Spinal Disorders* 6(5)392-6
16. Heller JG, Johnston RB, Goodrich A: (1994) Ossification of the posterior

- longitudinal ligament: Nine cases in non-orientals. *Skeletal Radiology* 23:601-606.
17. Daftari TK, Whitesides TE, Heller JG Goodrich AC, Hutton WC: (1994) The effect of nicotine on the revascularization of bone graft: an experimental study in rabbits. *Spine* 19, 904-911.
 18. Daftari TK, Heller JG, Newman, NJ: (1995) Pseudotumor cerebri following occipito-cervical fusion and halo immobilization. *Journal of Bone and Joint Surgery* 77- A:455-458.
 19. Riebel GD, Heller JG, Hopkins LC: (1995) Guillain-Barre syndrome after an operation on the spine: A case report. *JBJS* 77A(10) 1565-7.
 20. Heller JG, Silcox, DH, Sutterlin, CE: (1995) Complications of posterior cervical plating. *Spine* 20(22)2442-8
 21. Emery SE, Heller JG, Petersilge CA, Bolesta MJ, Whitesides TE: (1996) Tibial stress fracture after a graft has been obtained from the fibula. A report of five cases. *JBJS* 78A(8)1248-51.
 22. Heller JG, Estes BT, Zaouali M, Diop A: (1996) Biomechanical study of screws in the lateral masses: variables affecting pull-out resistance. *JBJS* 78A(9)1315-21.
 23. Heller JG, Schimandle JH: (1996) Operative treatment of degenerative cervical disc disease. *J Southern Orthopaedic Association* 5(3)188-206
 24. Schimandle JH, Heller JG: (1996) Nonoperative treatment of degenerative cervical disc disease. *J Southern Orthopaedic Association* 5(3)207-12.
 25. Jones EL, Heller JG, Silcox DH, Hutton WC. (1997) Cervical pedicle screws versus lateral mass screws. Anatomic feasibility and biomechanical comparison. *Spine* 22(9)977-82
 26. Ugbo JL, Reddy AS, Heller JG: (1998) Delayed radiographic diagnosis of osteoid osteoma in the lumbar spine. *Neuro-orthopaedics* 23:1-8
 27. Tomita K, Kawahara N, Toribatake Y, Heller JG. (1998) Expansive midline T-saw laminoplasty (modified spinous process-splitting) for the management of cervical myelopathy. *Spine* 23(1)32-7
 28. Doh ES, Ugbo JL, Heller JG: (1999) Ganglion cyst of the cervical spine associated with focal dystonia and scoliosis: case report and literature review. *Neuro-orthopaedics* 25:57-65

29. Carlson JR, Heller JG, Mansfield FL, Pedlow FX: (1999) Traumatic open anterior lumbosacral fracture dislocation. A report of two cases. *Spine* 24(2)184-8
30. Heller JG, Shuster JK, Hutton WC. (1999) Pedicle and transverse process screws of the upper thoracic spine. Biomechanical comparison of loads to failure. *Spine* 24(7)654-8
31. Edwards CC III, Heller JG, Silcox DH III. (2000) T-saw laminoplasty for the management of cervical spondylotic myelopathy clinical and radiographic outcome. *Spine* 25(4)1788-94
32. Heller JG. (2000) Cervical pedicle screw insertion: assessment of safety and accuracy with computer-assisted image guidance. *J Spinal Disord* 13(4)275
33. Heller JG, Ghanayem AJ, McAfee P, Bohlmann HH. (2000) Iatrogenic lumbar spondylolisthesis: treatment by anterior fibular and iliac arthrodesis. *J Spinal Disord* 13(4)309-18.
34. Ludwig SC, Kowalski JM, Edwards CC 2nd, Heller JG. (2000) Cervical pedicle screws: comparative accuracy of two insertion techniques. *Spine* 25(22)2675-81, October
35. Kowalski JM, Ludwig SC, Hutton WC, Heller JG (2000) Cervical spine pedicle screws: a biomechanical comparison of two insertion techniques. *Spine* 25(22)2865-2867, Nov 15
36. Klekamp JW, Ugbo JL, Heller JG, Hutton WC. (2000) Cervical transfacet versus lateral mass screws: a biomechanical comparison. *J Spinal Disord* 13(6)515-8, December
37. Nishikawa K, Ludwig SC, Colon RJ, Fujimoto Y, Heller JG (2001) Cervical myelopathy and congenital stenosis from hypoplasia of the atlas. Three cases and literature review. *Spine* 26(5)E80-86, March 1
38. Heller JG, Edwards CC 2nd, Murakami H, Rodts GE (2001) Laminoplasty versus laminectomy and fusion for multilevel cervical myelopathy: an independent matched cohort analysis. *Spine* 26(12)1330-6
39. Heller JG, Kim HS, Carlson GW (2001) Subarachnoid-pleural fistulae – management with transdiaphragmatic pedicled greater omental flap: report of two cases. *Spine* 26(16)1809-13
40. Vaccaro AR, Chiba K, Heller JG, Patel TC, Thalgott JS, Truumees E, Fischgrund JS, Craig MR, Berta SC, Wang JC. (2002) Bone grafting alternatives in spinal surgery. *The Spine Journal* 2(3)206-215

41. Edwards CC II, Heller JG, Murakami H. (2002) Corpectomy versus laminoplasty for multilevel cervical myelopathy: an independent matched-cohort analysis. *Spine* 27(11)1168-75, June 1
42. Boden SD, Kang J, Sandhu H, Heller JG (2002) Use of recombinant human bone morphogenetic protein-2 to achieve posterolateral lumbar spine fusion in humans: a protective, randomized clinical pilot trial: 2000 Volvo Award in Clinical Studies. *Spine* 27(23)2662-73, December 1
43. Heller JG (2003) Editorial Commentary. *Journal of Spinal Disorders and Techniques* 16(1)8-9, February
44. Heller JG. (2003) Editorial commentary. *Spine Journal* 3(4)284, July-August
45. Kim HS, Heller JG, Hudgins PA, Fountain JA. (2003) The accuracy of computed tomography in assessing cervical pedicle screw placement. *Spine* 28(21)2441-6, November 1
46. Edwards CC II, Karpitskaya Y, Cha C, Heller JG, Lauryssen C, Yoon ST, Riew KD (2004) Accurate identification of adverse outcomes after cervical spine surgery. *Journal of Bone and Joint Surgery (Am)* 86(2)251-256, Feb
47. Boden SD, Balderston RA, Heller JG, Hanley EN, Jr., Zigler JE. (2004) An AOA Critical Issue: Disc Replacements: This Time will we really cure low-back and neck pain? *Journal of Bone and Joint Surgery (AM)* 86(2)411-422 (February)
48. Park AE, Heller JG (2004) Cervical laminoplasty: use of a novel titanium plate to maintain canal expansion-surgical technique. *Journal of Spinal Disorders and Techniques* 17(4)265-71, Aug
49. Tortolani PJ, Park AE, Louis-Ugbo J, Attallah-Wasef eS, Kraiwattanapong C, Heller JG, Boden SD, Yoon ST (2004) The effects of doxorubicin (adriamycin) on spinal fusion: an experimental model of posterolateral lumbar spinal arthrodesis. *Spine Journal* 4(6)669-74, Nov-Dec
49. Yoon ST, Quershi AA, Heller JG, Nordt JC III. (2005) Kyphoplasty for salvage of a failed vertebroplasty in osteoporotic vertebral compression fractures. *Journal of Spinal Disorders and Techniques* 18(Suppl 1)S129-S134. February
50. Riley LH 3rd, Skolasky RL, Albert TJ, Vaccaro Ar, Heller JG (2005) Dysphagia after anterior cervical decompression and fusion: prevalence and risk factors from a longitudinal cohort study. *Spine* 30(22)2564-9, Nov 15
51. Singh K, Heller JG, Dino S, Price, SJ, An HS, Yoon ST, Rhee J, Phillips FM. (2005) *Journal of Spinal Disorders and Techniques* 18(5)413-9

52. Singh K, Samartzis D, Heller JG, An HS, Vaccaro AR. (2006) The management of complex soft-tissue defects after spinal instrumentation. *Journal of Bone and Joint Surgery* 88B(1)8-15
53. Singh K, Samartzis D, Vaccaro AR, Andersson GB, An HS, Heller JG (2006) Current concepts in the management of metastatic spinal disease. The role of minimally-invasive approaches. *J Bone Joint Surg* 88B(4)434-42
54. Park AE, Heller JG. (2006) Outcomes review of laminoplasty for the treatment of multilevel cervical spondylotic myelopathy. *Current Opinion in Orthopaedics* 17(3)268-273
55. Heller JG. (2006) Introduction. *Seminars in Spine Surgery* 18(2)39
56. Brown CR, Heller JG (2006) Patient selection for cervical disc arthroplasty. *Seminars in Spine Surgery* 18(2)47-52
57. Heller JG. (2006) Point of view. *Spine* 31(22)2592
58. Singh K, Samartzis D, Heller JG, An HS, Vaccaro AR (2006) The management of complex soft-tissue defects after spinal instrumentation. (Review) *Journal of Bone and Joint Surgery* 88B(1)8-15, April
59. Singh K, Samartzis, Vaccaro AR, Andersson GB, An HS, Heller JG (2006) Current concepts in the management of metastatic spinal disease. The role of minimally-invasive approaches (Review) *Journal of Bone and Joint Surgery* 88B(4)434-42, April
60. Smucker JD, Heller JG, Bohlman HH, Whitesides TE Jr. (2006) Surgical treatment of destructive calcific lesions of the cervical spine in scleroderma: case series and review of the literature (Review) *Spine* 31(17)2002-8, August
61. Smucker JD, Rhee JM, Singh K, Yoon ST, Heller JG (2006) Increased swelling complications associated with off-label usage of rhBMP-2 in the anterior cervical spine. *Spine* 31(24)2813-9, Nov
62. Sekhon LH, Duggal N, Lynch JJ, Haid RW, Heller JG, Riew KD, Seex K, Anderson PA (2007) Magnetic resonance imaging clarity of the Bryan, Prodisc-C, Prestige LP, and PCM cervical arthroplasty devices. *Spine* 32(6)673-80
63. Singh K, Smucker JD, Ugbo JL, Tortolani PJ, Tsai L, Fei Q, Kuh S, Rumi M, Heller JG, Boden SD, Yoon ST. (2007) rhBMP-2 enhancement of posterolateral spinal fusion in a rabbit model in the presence of concurrently administered doxorubicin. *Spine Journal* 7(3)326-32
64. Sasso RC, Smucker JD, Hacker RJ, Heller JG. (2007) Clinical outcomes of

- BRYAN cervical disc arthroplasty: a prospective, randomized, controlled, multicenter trial with 24-month follow-up. *Journal of Spinal Disorders and Techniques* 20(7)481-91, (Oct)
65. Sasso RC, Smucker JD, Hacker RJ, Heller JG. (2007) Artificial disc versus fusion: a prospective, randomized study with 2-year follow-up on 99 patients. *Spine* 32(26)2933-40 (Dec)
 66. Freedman BA, Heller JG (2009) Kummel disease: a not-so-rare complication of osteoporotic vertebral compression fractures. *Journal American Board of Family Medicine* 22(1)75-8
 67. Heller JC, Sasso RC, Papadopoulos SM, Anderson PA, Fessler RG, et al. (2009) Comparison of BRYAN cervical disc arthroplasty with anterior cervical decompression and fusion: clinical and radiographic results of a randomized, controlled clinical trial. *Spine* 34(2)101-7
 68. Jarrett CD, Heller JG, Tsai L. (2009) Anterior exposure of the lumbar spine with an “access surgeon”: morbidity analysis of 265 consecutive cases. *Journal of Spinal Disorders and Techniques* 22(8)559-64
 - 69. Edupuganti S, Roupael N, Mehta A, Eaton M, Heller JG, Bressler A, Brandt M, O'Donnell K (2011) Fusarium falciforme vertebral abscess and osteomyelitis: case report and molecular classification. *J Clin Microbiol* 49(6)250-3 (IS THIS REALLY YOURS???)**
 70. Sasso RC, Anderson PA, Riew KD, Heller JG (2011) Results of cervical arthroplasty compared with anterior discectomy and fusion: four-year clinical outcomes in a prospective, randomized controlled trial. *J Bone Joint Surgery* 93(18)1684-92

Book Chapters:

1. Heller JG, Whitecloud TS: (1991) Post-laminectomy instability of the cervical spine: etiology and stabilization techniques. In *The Adult Spine: Principles and Practice*, Frymoyer, JW (ed), Raven Press, New York, pp. 1219-1242.
2. Heller JG: (1992) Postoperative infection of the spine, *The Spine*, 3rd Edition, Rothman, Simeon (eds), WB Saunders, Philadelphia, pp.817-837
3. Heller JG: (1993) Posterior cervical plate fixation: the concerns. In: Garfin, SR (ed.) *Principles and Techniques in Spine Surgery: Surgery for Spinal Cord Injury*. New York, Raven Press, 123-135.

4. Heller JG: (1993) Lumbar discectomy, laminectomy and fusion. Chapter in Medical Management of the Surgical Patient (3rd edition). JB Lippincott, Philadelphia pp. 584-7
5. Carlson GD, Heller JG, Abitbol JJ, Garfin SR: (1993) Odontoid Fractures. IN: Garfin SR (ed). Spine Trauma. Philadelphia: W. B. Saunders, 1993
6. Heller JG: (1993) Lumbar discectomy, laminectomy and fusion. Chapter in Medical Management of the Surgical Patient (3rd Edition). Lubin MF, Walker HK, Smith RB (eds.), JB Lippincott, Philadelphia, pp. 584-587
7. Heller JG: (1994) Infections of the cervical spine. In: An HS (ed.) Surgery of the Cervical Spine. Martin-Dunitz, London, England, pp. 335-356.
8. Heller JG: (1996) Tumors of the spine. IN: Orthopaedic Knowledge Update-5, Chicago: Ill: American Academy of Orthopaedic Surgeons, pp. 657-66
9. Heller JG: (1996) Infections of the spine. Orthopaedic Knowledge Update-5, Chicago, IL: American Academy of Orthopaedic Surgeons. pp. 643-56
10. Heller JG: (1996) Fractures of the Atlas Vertebra. Orthopaedic Trauma Update, Chicago, IL: American Academy of Orthopaedic Surgeons
11. Heller JG, Pedlow FX: (1997) Tumors of the Spine. IN Orthopaedic Spine Update, Garfin, SR, Editor. Chicago: American Academy of Orthopaedic Surgeons, 1997
12. Heller JG, Levine MJ. (1997) Spinal Infections. IN Orthopaedic Spine Update. Garfin SR, Editor. Chicago: American Academy of Orthopaedic Surgeons, 1997
13. Silcox DH, Heller JG: (1997) Post-laminectomy instability of the cervical spine. IN: The Adult Spine: Principles and Practice. 2nd Ed. Frymoyer JW (ED) Philadelphia: Raven-Lippincott p. 1413-1434
14. Levine MJ, Heller JG: Spinal Infections. IN: Orthopaedic Knowledge Update: Spine; ED: Garfin SR, Vaccaro AR. American Academy of Orthopaedic Surgeons, Rosemont, IL 1997, p. 2676-272
15. Heller JG: (1998) Reconstructions following two-level cervical corpectomy for spondylitic myelopathy. IN: Controversies in Spine Surgery. St. Louis: Quality Medical Publishing (in press)
16. Heller JG, Whitesides TE: (1998) Anterior extrapharyngeal approaches to the upper cervical spine. ED: Zdeblick, Thomas. IN: Anterior Approaches to the Spine. St. Louis: Quality Medical Publishing, 1998, pp. 15-32

17. Heller JG, Pedlow FX: (1998) Anatomy of the cervical spine. IN: The Cervical Spine, 3rd Edition. ED: Clark, Charles. Philadelphia: Lippincott-Raven, 1998, pp. 3-36
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