
DILIP K. SENGUPTA, MD, Dr. Med

CURRICULUM VITAE

PROFESSIONAL EXPERIENCE

- 04/2016 - Present **Spine Surgeon (Solo Practice)**
Center for Scoliosis & Advanced Spine Surgery
Dallas, Texas
- 12/2010 - 03/2016 **Spine Surgeon (Group Practice)**
Texas Back Institute
Plano, Texas
- 08/2004 - 11/2014 **Associate Professor, Orthopedics (Spine Surgeon)**
Dartmouth-Hitchcock Medical Center
Lebanon, New Hampshire
- 1995 - 2002 **Spine Surgeon (Nottingham, United Kingdom)**
- 1985 - 1994 **Orthopedic Surgeon (Kolkata, India)**

GRADUATE MEDICAL EDUCATION

- 1973 - 1979 **Bachelor of Medicine & Surgery (MBBS)**
University of Calcutta,
Kolkata, India

POST GRADUATE MEDICAL EDUCATION & TRAINING

- 1981 - 1982 **Diploma in Orthopedic Surgery**
University of Calcutta,
Kolkata, India
- 1982 - 1985 **Master in Orthopedic Surgery**
University of Calcutta,
Kolkata, India
- 1994 - 1995 **MCh (Orthopedics)**
University of Liverpool,
Liverpool, U.K.
- 2004 **Doctorate in Medicine (Dr. Med)**
University of Nottingham,
Nottingham, United Kingdom

SPINE SURGERY FELLOWSHIP & TRAINING

01/1997 – 06/1997	Walton Center for Neurology & Neurosurgery (Neurosurgery – Spine Fellowship) Walton, Liverpool, United Kingdom
07/1997 – 06/1998	Queen’s Medical Center (Spine Surgery Fellowship) University of Calcutta, Kolkata, India
07/1998 – 12/1998	Texas Back Institute (Spine Surgery Fellowship) Plano, Texas
07/2002 – 06/2004	William Beaumont Hospital (Spine Surgery Fellowship) Royal Oak, Michigan

BOARD CERTIFICATION

1981 - 1986	National Board of Examination (Orthopedics) National Academy of Medical Sciences New Delhi, India
2014	American Board of Orthopedic Surgery

HONORS

2019	Prof. B Mukhopadhyay Oration Indian Orthopedic Association
2016	The Andrew N. Swanson, MD, Lecture on Humanism in Medicine Hospital for Special Surgery, New York, NY
2012	Scoliosis Research Society-Research Grant Award Scoliosis Research Society, Milwaukee, WI
2010	Hitchcock Foundation Research Grant Award Dartmouth-Hitchcock Medical Center
2008	North American Spine Society Research Award in Biomechanics NASS, Burr Ridge, IL
2001	Best Clinical Presentation Award British Scoliosis Society Annual Meeting, Edinburgh, United Kingdom
2001	Best Clinical Presentation Award British Cervical Spine Society Annual Meeting, Bristol, United Kingdom
1992	Silver Jubilee Oration Indian Orthopedic Association, India
1992	J&J Travelling fellowship Indian Orthopedic Association, India
1988	AO International fellowship AO International, Switzerland

EDITORIAL BOARD

2006-current	Associate Editor – Spine
2011-current	Deputy Editor – Spine Deformity Journal
2010-current	Associate Editor – The Spine Journal (NASS)

PROFESSIONAL AFFILIATIONS

2000 - present	Scoliosis Research Society
2000 - present	North American Spine Society
2000 - present	British Scoliosis Society
2012 - present	American Academy of Orthopedic Surgeons
2000 - present	International Society for the Study of the Spine (ISSLS)
2000 - present	The International Society for the Advancement of Spine Surgery (ISASS)

LICENSURE

2014 - Present	State of Texas Number Q2386
2014 - Present	State of Massachusetts Number 257909
2004 - Present	State of New Hampshire Number 12405

DEA	Drug Enforcement Agency Up to Date
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PHILANTROPY

1989	Bangladesh Mission	Nalta rural hospital set-up
2009	Bangladesh Mission	Charitable spine surgery
2010	India Mission	Charitable spine surgery
2011	Bangladesh Mission	Charitable Spine deformity surgery & training/workshop

PATENTS

- 1. Device for the stabilisation of two adjacent vertebral vertebral bodies of the spine**
Inventors: Dilip K. Sengupta and Robert C. Mulholland
International patent application No. PCT/CH99/00612 (1999)
- 2. Assembly for the stabilisation of the vertebral bodies of the spine**
Inventors: Dilip K. Sengupta and Robert C. Mulholland
US patent application # 10/480986 dated June 2005, patent allowed, and published in 2009
- 3. Assembly for the stabilisation of the vertebral bodies of the spine**
Inventors: Dilip K. Sengupta and Robert C. Mulholland
International Patent Number WO 01/45576 A1 Date of Publication 28 Jun 2001
Patent granted in UK, Germany, Italy, and France
- 4. Assembly for the Stabilization of the vertebral bodies of the spine**
Inventors: Dilip K. Sengupta and Robert C. Mulholland, European Patent EP1399078

INVITED LECTURES

	<u>TOPIC</u>	<u>ORGANIZATION</u>	<u>LOCATION</u>
2016	The Andrew N. Swanson, MD, Lecture on Humanism in Med	Hospital for Special Surgery	New York
2014	Adult spinal deformity	North American Spine Soc	Chicago
2014	Adult spinal deformity	Scoliosis Research Society	Kolkata-India
2014	Sagittal Balance	Asso. of Spine Surg-India	Kolkata-India
2012	Sagittal Balance of spine	Indian Orthopedic Association	Madras (Chennai) India
2011	Dynamic Stabilization	Spine Society in Korea	Jeju Island, Korea
2009	Dynamic Stabilization	National Ortho. Hospital	Mexico city
2008	Spinal stabilization	Scoliosis Research Society CME	New Delhi, India
2006	Dynamic Stabilization	Yongdong Severance Spine Hospital Symposium	Seoul, Korea
2006	Dynamic Stabilization, Scoliosis management	2nd international Spine Surgery Course Clínica las Condes	Santiago, Chile
2005	Dynamic Stabilization, Rheumatoid Spine	International Spine Course	University of Sao Paulo in Ribeiro-Preto, Brazil
2004	Dynamic Stabilization, Scoliosis Classification, Disc Replacement	National Ortho. Hosp, annual meeting	Mexico City, Mexico
2002	Posterior Dynamic Stabilization, Spinal Trauma, Artificial Disc Replacement	National Ortho. Hosp, annual meeting	Mexico City, Mexico

PUBLICATIONS

Original Articles:

1. Ha AS, Hong DY, Coury JR, Luzzi AJ, Yerukhimov AL, Kim J, Huang P, Sengupta DK. Biomechanical Evaluation of a Dynamic Stabilization System for the Prevention of Proximal Junctional Failure in Adult Deformity Surgery. *Spine* 2021 Mar 15;46(6):E356-E363.
2. Sengupta DK Clinical Incidence of PJK/ASD in Adult Deformity Surgery: A Comparison of Rigid Fixation and Semirigid Fixation-Semirigid. *Spine* 2016 Apr;41 Suppl 7:S37-8
3. Sengupta DK Functional and radiological outcome in patients undergoing a three-level corpectomy for multilevel cervical spondylotic myelopathy and ossified posterior longitudinal ligament. *Neuro India*. 2016 Jan-Feb;64(1):23-4
4. Sengupta DK, Fan H. The basis of mechanical instability in degenerative disc disease: a cadaveric study of abnormal motion versus load distribution. *Spine (Phila Pa 1976)*. 2014 Jun 1;39(13):1032-43
5. Huang P, Sengupta DK. How fast pain, numbness, and paresthesia resolves after lumbar nerve root decompression: a retrospective study of patient's self-reported computerized pain drawing. *Spine (Phila Pa 1976)*. 2014 Apr 15;39(8):E529-36.
7. Sengupta DK, Bucklen B, Ingalhalikar A, Muzumdar A and Khalil S. Does Semi-Rigid Instrumentation Using Both Flexion and Extension Dampening Spacers Truly Provide an Intermediate Level of Stabilization?- *Adv Orthop*. 2013;2013:738252. doi: 10.1155/2013/738252. Epub 2013 Apr 11.
8. Sengupta DK, Bucklen B, McAfee PC, Nichols J, Angara R, and Khalil S. The Comprehensive Biomechanics and Load-Sharing of Semi-rigid PEEK and Semi-Rigid Posterior Dynamic Stabilization Systems. *Adv Orthop*. 2013;2013:745610. Epub 2013 Aug 4.
9. Sengupta DK, Demetropoulos CK, Herkowitz HN. Instant axis of rotation of L4-5 motion segment--a biomechanical study on cadaver lumbar spine. *J Indian Med Assoc*. 2011 Jun;109(6):389-90, 392-3, 395.
10. Pearson A, Blood E, Lurie J, Abdu W, Sengupta D, Frymoyer JW, Weinstein J. Predominant leg pain is associated with better surgical outcomes in degenerative spondylolisthesis and spinal stenosis: results from the Spine Patient Outcomes Research Trial (SPORT). *Spine (Phila Pa 1976)*. 2011 Feb 1;36(3):219-29.
11. Pearson AM, Spratt KF, Genuario J, McGough W, Kosman K, Lurie J, Sengupta DK. Precision of lumbar intervertebral measurements: does a computer-assisted technique improve reliability? *Spine* 2011 Apr 1;36(7):572-80.
12. Loftus RW, Yeager MP, Clark JA, Brown JR, Abdu WA, Sengupta DK, Beach ML. Intraoperative ketamine reduces perioperative opiate consumption in opiate-dependent patients with chronic back pain undergoing back surgery. 2010 Sep;113(3):639-46
13. Demetropoulos CK, Sengupta DK, Knaub M, Wiater BP, Abjornson C, Truumees E, and Herkowitz HN. Biomechanical Evaluation of the Kinematics of the cadaver lumbar spine following Disc Replacement with the Prodisc-L Prosthesis *Spine*. 2010 Jan 1;35(1):26-31.
14. Demetropoulos CK, Morgan CR, Sengupta DK, Herkowitz HN. Development of a 4-axis load cell used for lumbar interbody load measurements. *Med Eng Phys*. 2009 Sep;31(7):846-51. Epub 2009 May 17.
15. Sengupta DK, Truumees E, Patel CK, Kazmierczak C, Hughes B, Elders G, Herkowitz HN. Outcome of local bone versus autogenous iliac crest bone graft in the instrumented posterolateral fusion of the lumbar spine. *Spine*. 20;31(9):985-91, Apr 2006.
16. Sengupta DK, Mulholland RC. Fulcrum assisted soft stabilization system: a new concept in the surgical treatment of degenerative low back pain. *Spine*. 1;30(9):1019-29; discussion 1030, May 2005.

17. U. Debnath , J. McConnell , D. Sengupta , S. Mehdian , J. Webb. Results of hemivertebrectomy and fusion for symptomatic thoracic disc herniation. *European Spine Journal*. E-publication
18. Sengupta DK, Mehdian SMH, Eisenstein SM, McConnell JR, Webb JK. Pelvic or Lumbar fixation for the surgical management of scoliosis in Duchenne Muscular Dystrophy. *Spine*. Sept 15; 27:2072-2079
19. Sengupta DK, Mehdian S, Mulholland RC, Webb JK, Ohnmeiss DD. Biomechanical evaluation of immediate stability with rectangular versus cylindrical interbody cages in stabilization of the lumbar spine. *BMC Musculoskelet Disord*. 2002 Oct 3;3(1):23.
20. Mulholland RC, Sengupta DK. Rationale principles and experimental evaluation of the concept of Soft Stabilization. *Eur Spine J*. 2002 Oct;11 Suppl 2:S198-205.
21. Kumar N, Kukreti S, Ishaque M, Sengupta DK, Mulholland RC. Functional anatomy of the deer spine: an appropriate biomechanical model for the human spine? *Anat Rec* 2002 Feb 1;266(2):108-17
22. Sengupta DK, Khazim R, Grevitt MP, Webb JK. Flexion osteotomy of the cervical spine: a new technique for correction of iatrogenic extension deformity in ankylosing spondylitis. *Spine* 2001 May 1;26(9):1068-72
23. Sengupta DK, Dorgan J, Findlay GF. Can hindbrain decompression for syringomyelia lead to regression of scoliosis? *Eur Spine J* 2000 Jun;9(3):198-201
24. Mehdian SH, Sengupta DK, Agoristides Y, Eisenstein SM, Webb JK. Surgical management of Duchenne Muscular Dystrophy – is sacral fixation necessary? *J Bone Joint Surg [Br]* 2000;82-B(Suppl.III):282
25. Sengupta DK, Dorgan J, Findlay GF. A preliminary report on the effect of hind brain decompression for syringomyelia on the progress of scoliosis. *J Bone Joint Surg [BR]* 2000; 82-B(Suppl.I):40
26. Regan JJ, Aronoff RJ, Ohnmeiss DD, Sengupta DK. Laparoscopic approach to L4-L5 for interbody fusion using BAK cages: experience in the first 58 cases. *Spine* 1999 Oct 15;24(20):2171-4
27. Sengupta DK, Kirillos R, Findlay GF, Smith ET, Pearson JC, Pigott T. The value of MR imaging in differentiating between hard and soft cervical disc disease: a comparison with intraoperative findings. *Eur Spine J* 1999;8(3):199-204
28. Sengupta DK, Grevitt MP, Mehdian SM. Hypoglossal nerve injury as a complication of anterior surgery to the upper cervical spine. *Eur Spine J* 1999;8(1):78-80
29. Kumar S, Sengupta DK, Grevitt MP, Webb JK. Corrective osteotomy in Ankylosing Spondylitis – Outcome and Complications - *J Bone Joint Surg [BR]* 1998; 80-B(Suppl.III):276
30. Sengupta DK, Findlay GFG, Dorgan JC. How idiopathic is idiopathic scoliosis. *J Bone Joint Surg [BR]* 1998;80-B(Suppl. II): 188
31. Sengupta DK, Gupta S. Chloroquine-Phosphate in the treatment of Rheumatoid Arthritis. *Bull Indian Rheum Assn* 1987;3(2):44-49
32. Sengupta DK, Gupta SK. Familial bilateral proximal femoral focal deficiency- report of a kindred. *J Bone Joint Surg [Am]* 1984;66-A :1470-1472

Review articles:

1. Sengupta DK. Spino-Pelvic Balance–JBJS Reviews, 2014 Aug;2(8):e4.
<http://dx.doi.org/10.2106/JBJS.RVW.M.00115>
2. Sengupta DK, Herkowitz HN. Pedicle screw-based posterior dynamic stabilization: literature review. *Adv Orthop*. 2012;2012:424268. doi: 10.1155/2012/424268. Epub 2012 Nov 28
3. Lotz JC, Haughton V, Boden SD, An HS, Kang JD, Masuda K, Freemont A, Berven S, Sengupta DK, Tanenbaum L, Maurer P, Ranganathan A, Alavi A, [Marinelli NL](#). [New treatments and imaging strategies in degenerative disease of the intervertebral disks](#). *Radiology*. 2012 Jul;264(1):6-19. Review.
4. Mirza S, Sengupta DK, Coe M. Operative Treatment for Degenerative Disk Disease and Chronic Back Pain: An Evidence-Based Review. *Seminars in spine surgery – eds. Wiesel SW and Boden SD*. 2010
5. Torretti J, Sengupta DK - Cervical Spine Trauma: Review. *Indian J Orthop*. 2007 Dec 41(4):255-267
6. Courville X, Torretti J, Sengupta DK. Dynamic stabilization: Principles and Current Clinical Practice, *Seminars in spine surgery –Axial Low Back pain* 2008 Jun 20(2):146-153
7. Sengupta DK, Calore B. Evaluation and initial management of cervical spine injuries. *Seminars in Spine Surgery-Cervical Spine Trauma* 2005 Jun17(2):67-72
8. Sengupta DK. Dynamic stabilization devices in the treatment of low back pain. Review. *Neurol India*. 2005 Dec; 53(4):466-74
9. Sengupta, DK. Herkowitz, HN. Degenerative spondylolisthesis: review of current trends and controversies. *Spine*. 2005 Mar15;30(6 Suppl):S71-81
10. Sengupta, DK. Neglected Spinal Injuries. *Clin Orthop Res*.2005 (431):92-103
11. Sengupta DK. Dynamic Stabilization Devices in the Treatment of Low Back pain. *Orthop Clin North Am*. 2004 Jan;35(1):43-56
12. Sengupta DK, Herkowitz HN. Lumbar spinal stenosis. Treatment strategies and indications for surgery. *Orthop Clin North Am*. 2003 Apr;34(2):281-95.
13. Mulholland RC, Sengupta DK. Rationale principles and experimental evaluation of the concept of Soft Stabilization. *Eur Spine J*. 2002 Oct;11 Suppl 2:S198-205.

Editorials

1. Sengupta DK and Webb JK. Scoliosis - The current concepts. *Indian J Orthop* 2010 Jan;44(1):5-8
2. Sengupta DK and Garfin SR. Trauma -Biomechanical Force and Morphology – Interactive Educational Program for Spine. www.spine-iep.com/iep 2009

Comments / Discussion / Points of Views:

1. Sengupta DK. Letters to Editor: Re: Schwab F, Ungar B, Blondel B, et al. Scoliosis research society—Schwab adult spinal deformity classification—a validation study. *Spine* 2012; 37:1077—82. *Spine* 2012 Sep 15;37(20):1790
2. Point of view: Cluster Analysis as a Method for Determining Size Ranges for Spinal Implants: Disc Lumbar Replacement Prosthesis Dimensions from Magnetic Resonance Images – in press
3. Point of view: Dynamic stabilization in addition to decompression for lumbar spinal stenosis with degenerative spondylolisthesis.- *Spine*. 2006 Feb 15;31(4):450
4. Point of View: Comparison of Smith-Petersen versus pedicle subtraction osteotomy for the correction of fixed sagittal imbalance. *Spine*. 2005 Sep 15;30(18):2030-7; discussion 2038.
5. Point of view: A prospective, randomized, multicenter Food and Drug Administration investigational device exemption study of lumbar total disc replacement with the CHARITE artificial disc versus lumbar fusion: part II: evaluation of radiographic outcomes and correlation of surgical technique accuracy with clinical outcomes. *Spine*. 2005 Jul 15;30(14):1576-83; discussion E388-90.
6. Point of view: A prospective, randomized, multicenter Food and Drug Administration investigational device exemptions study of lumbar total disc replacement with the CHARITE artificial disc versus lumbar fusion: part I: evaluation of clinical outcomes. *Spine*. 2005 Jul 15;30(14):1565-75; discussion E387-91.
7. Van Royen BJ. (Comment), Sengupta DK (Reply) A new technique for correction of an iatrogenic extension deformity in ankylosing spondylitis. *Spine* 2002 Feb 1;27(3):330

Edited Book:

1. *Dynamic Reconstruction of the Spine 2nd edition* –Thieme, New York, editors: Kim DH, Sengupta DK – 2015.

Book Chapters:

1. Sengupta DK, Ghosh MS. Development and design on implants for fracture management. pp254-261. In. Sahay & Saxena eds: **Biomechanics**. Wiley Eastern Ltd, New Delhi, 1988
2. Mulholland RC, Sengupta DK. Injuries to the spine below neck. In. Ritchie A. ed. **Medical evidence in whiplash Cases**, Sweet & Maxwell, London, 1998
3. Webb JK, Sengupta DK. How do I do it- Osteotomy of the Cervico-thoracic region. In. Vaccaro AR, Albert TJ eds: **Tricks of the Trade of Spine Surgery**. Thieme, New York, 2002
4. Webb JK, Sengupta DK. How do I do it- Vertebral Translation in posterior instrumentation in Scoliosis Surgery. In. Vaccaro AR, Albert TJ eds: **Tricks of the Trade of Spine Surgery**. Thieme, New York, 2002
5. Webb JK, Hitchon P, Sengupta DK. Ankylosing Spondylitis and related disorders. In. Benzel EC ed: **Spine Surgery: Technique, Complication Avoidance, and Management, 2nd ed**. Churchill Livingstone, Philadelphia. 2004
6. Sengupta DK & Herkowitz HN. Degenerative lumbar Spondylolisthesis with stenosis- Decompression with instrumented fusion. In Wiesel and Herkowitz et al eds: **The Lumbar Spine 2nd Ed**. Published by ISSLS LWW, Philadelphia, 2004.

7. Sengupta DK. Dynamic Stabilization - The non-fusion techniques in the surgical treatment of low back pain. In Wiesel and Herkowitz et al eds: **The Lumbar Spine 2nd Ed.** Published by ISSLS, LWW, Philadelphia 2004
8. Hitchon PW, From AM, Peloso PM, Sengupta DK, Menzes AH, Found EM. Ankylosing spondylitis and management of spinal complications. In **Operative Neurosurgical Techniques: Indications, Methods and Results.** Schmidek HH and Roberts DW eds. Elsevier 2005
9. Sengupta DK. Instantaneous Axis of Rotation and its Clinical Importance in a Healthy Lumbar Functional Unit. In **Roundtables in Spine Surgery.** Goel VK and Panjabi MM eds. Quality Medical Publishing Inc. St. Louis 2004
10. Cripton PA., Dooris AP, Goel VK, Moumene M, Natarajan RN, Panjabi MM, Patwardhan AG, Sengupta DK, Serhan HA, Wilke HJ. Roundtable discussion with the experts- Spine Biomechanics- Evaluation of motion preservation devices and relevant terminology. In **Roundtables in Spine Surgery.** Goel VK and Panjabi MM eds. Quality Medical Publishing Inc. St. Louis 2004
11. Panjabi MM, Goel VK, Cripton PA., Dooris AP, Ledet EH, Moumene M, Natarajan RN, Patwardhan AG, Sengupta DK, Serhan HA, Wilke HJ. Biomechanical Terminology and Concepts. In **Roundtables in Spine Surgery.** Goel VK and Panjabi MM eds. Quality Medical Publishing Inc. St. Louis 2004
12. Sengupta DK. Dynamic Stabilization devices in the treatment of low back pain. In Guyer RD & Hochschuler SH eds. **Spine Arthroplasty- A New Era in Spine Care.** QMP, St. Louis 2005
13. Sengupta DK & Fischgrund J. Lumbar Stenosis; **Essentials in Orthopaedics: Spine.** Eds. Garfin S. and Bono C.M. Lippincott, William & Wilkins. Philadelphia 2005
14. Sengupta DK, Herkowitz HN. Complications in anesthesia administration and positioning for spinal surgery. In Vaccaro A ed.: **Complications of Pediatric and Adult Spinal Surgery.** Marcel Dekker, Inc. New York, NY, 2005.
15. Sengupta DK & Herkowitz HN. The Rheumatoid Spine; **Spine Core Knowledge in Orthopaedics** Ed Alexander Vaccaro, Elsevier-Mosby, Philadelphia 2005
16. Sengupta DK. Spinal Injections for Diagnosis and Treatment of Chronic Neck Pain. In monograph on 'Neck Pain' eds. Fischgrund J. published by the **American Academy of Orthopaedic Surgeons** at the AAOS Annual Meeting 2004.
17. Sengupta DK, Herkowitz HN. Posterior Soft Stabilization Systems: Concept and Objectives. In Maxwell JH. eds. **Non-Fusion Techniques for the Spine: Motion Preservation & Balance,** Quality Medical Publishing, Inc., St. Louis, MO 2006.
18. Sengupta DK, Herkowitz HN. Non-fusion-The physiologic solution. In Maxwell JH. eds. **Non-Fusion Techniques for the Spine: Motion Preservation & Balance,** Quality Medical Publishing, Inc., St. Louis, MO 2006.
19. Sengupta DK, Pimenta L, Diaz R. DSS-Minimally invasive posterior dynamic stabilization system. In Kim DH, Cammisa FP, and Fessler RG eds: **Dynamic Reconstruction of the Spine.** Thieme, New York, 2006.
20. Sengupta DK. Rationale for Dynamic Stabilization II - SoftFlex™ Flexible Rod in Dynamic Reconstruction of the Spine. In Kim DH, Cammisa FP, and Fessler RG eds: **Dynamic Reconstruction of the Spine.** Thieme, New York, 2006.

21. Sengupta DK. Ankylosing Spondylitis – cervical osteotomies, In Albert T, Lee JY, and Lim MR eds: **Cervical Spine Surgery: Diagnosis and Management**. Thieme, New, York, 2008
22. Sengupta DK. And Herkowitz HN Percutaneous Posterior “Dynamic” Stabilization of the Lumbar Spine, In Bono C M and Vaccaro AR eds. **Minimally Invasive Spinal Surgery** Informa Healthcare, New York – 2007
23. Sengupta DK.. Dynamic stabilization system, In **Motion Preservation Surgery of the Spine-Advanced Technique and Controversies**. Yue JJ, Bertagnoli R, McAfee PC, An HS eds. Saunders-Elsevier, Philadelphia 2008
24. Sengupta DK. Posterior motion-sparing instrumentation and interspinous degenerative disorders of the lumbar spine. In **Arthritis & Arthroplasty: The Spine**, Shen FH, Shaffrey CI eds. Elsevier, Philadelphia 2009
25. Sengupta DK. Posterior Dynamic Stabilization – **Rothman and Simeone – The Spine, 6th ed.** Herkowitz HN, Garfin SR, Eismont FJ, Bell GR eds. Elsevier, Philadelphia – 2010
26. Sengupta DK. Cervical spine injuries – In Kulkarni GS ed – **Text Book of Orthopedics and Trauma**. 2nd ed Jaypee New Delhi 2008
27. Sengupta DK. The inflammatory diseases of the cervical spine – In Kulkarni GS ed – **Text Book of Orthopedics and Trauma**. 2nd ed Jaypee, New Delhi 2008: p 2672-83
28. Demetropoulos CK, Sengupta DK, Herkowitz HN. Disk Arthroplasty Using the Prodisc-L® Total Disk Replacement. In **Spinal Arthroplasty with DVD: The Preservation of Motion**. Vaccaro AR, Papadopoulos S, Traynelis VC, Haid RW, Sasso, RC eds. Saunders-Elsevier, Philadelphia 2007
29. Sengupta DK. Management principles in spinal infection. - In **Spinal Infections and Trauma**, - Rajasekaran S Eds. – Association of Spine Surgeons in India – **Jaypee**, New Delhi, 2011.
30. Pawar UM, Sengupta DK. Pathophysiology in Spinal Cord Injury. - In **Spinal Infections and Trauma**, - Rajasekaran S Eds. – Association of Spine Surgeons in India – **Jaypee**, New Delhi, 2011
31. Sengupta DK. Adult Spinal Deformity. In **Orthopaedic Knowledge Update: Spine 4 Raj D. Rao, MD, and Matthew Smuck, MD, Eds. –AAOS, Chicago. January 2012**