

CURRICULUM VITAE

STANLEY D. GERTZBEIN M.D., F.R.C.S. (C)

May 2012

TABLE OF CONTENTS

Page 3	Biographical & Contact Information										
Page 5	Appointments										
Page 9	Honors										
Page 10	Professional Affiliations and Activities										
Page 11	Academic History <ol style="list-style-type: none">1. Research Endeavors2. Research Investigations, Awards and Grants										
Page 22	Scholarly Work and Creative Professional Activity <table><tr><td>Page 22</td><td>Peer Reviewed Publications</td></tr><tr><td>Page 27</td><td>Non-Peer Reviewed Publications</td></tr><tr><td>Page 28</td><td>Chapters and Textbook</td></tr><tr><td>Page 31</td><td>Miscellaneous Publications</td></tr><tr><td>Page 31</td><td>Abstracts</td></tr></table>	Page 22	Peer Reviewed Publications	Page 27	Non-Peer Reviewed Publications	Page 28	Chapters and Textbook	Page 31	Miscellaneous Publications	Page 31	Abstracts
Page 22	Peer Reviewed Publications										
Page 27	Non-Peer Reviewed Publications										
Page 28	Chapters and Textbook										
Page 31	Miscellaneous Publications										
Page 31	Abstracts										
Page 39	Visiting Professorships										
Page 40	Guest Lectureships										
Page 43	Presentations and Special Lectures										
Page 81	Other Presentations										

I. BIOGRAPHICAL INFORMATION

NAME: Stanley David Gertzbein, M.D., F.R.C.S. (C)

ADDRESS: 670 Frying Pan Rd.
Basalt CO 81621

DATE OF BIRTH: September 25, 1941

PLACE OF BIRTH: Toronto, Ontario, Canada

CONTACT INFORMATION: Phone: (713) 269-2266
Fax: (970) 927-0219
E-mail: Bkdoctor@aol.com

EDUCATION:

Primary:

Lansdowne Public School,	1947-55
Glen Park Public School,	1955-56

Secondary:

Bathurst Heights Collegiate and Vocational School,	1956-60
--	---------

Tertiary:

a) Undergraduate Pre-Meds, University of Toronto,	1960-62
b) Medical School, University of Toronto,	1962-66
c) Postgraduate	
i) Internship, Mount Sinai Hospital,	1966-67
ii) Residency (Orthopaedics)	
1) St. Joseph's Hospital,	July 1967-Dec, 68
2) Senior Resident, Toronto East General and Orthopaedic Hospital,	Jan. 1969-June 70
3) Chief Resident, Sunnybrook Hospital, July 1970-December 1970 Hospital for Sick Children	Jan.-July 1971
4) Research and Clinical Fellow Sunnybrook Medical Centre "The Study of Autoimmunity in	

	Degenerative Disc Disease of the Spine	1971-72
5)	Research Fellow, Northwick Park Hospital London, England	1972-73
6)	Research Fellow, St. Mary's Hospital Hong Kong	1973
d)	Degrees: M.D., University of Toronto	1966
e)	Board Certifications	
	Fellow of the Royal College of Physicians and Surgeons of Canada, Orthopaedic Surgery	1971-
	Board Certification-American Board of Orthopedic Surgeons	1997-
	Charter Diplomat - American Board of Spine Surgery	1998-2005
	Re-Certification-American Board of Orthopedic Surgeons	2008-17
RANK:	Clinical Professor Department of Orthopedic Surgery University of Texas - Galveston	2008-
	Assistant Clinical Professor Department of Orthopedic Surgery University of Colorado	2008-
	Professor Department of Orthopedic Surgery Baylor College of Medicine	2004-2006
	Clinical Professor Department of Orthopedic Surgery Baylor College of Medicine	1999-2004
	Clinical Associate Professor Department of Orthopedic Surgery Baylor College of Medicine	1996-99
	Associate Professor University of Texas - Medical Center	1991-95
	Professor University of Toronto	1991
	Associate Professor (Surgery),	

University of Toronto	1974-84
Lecturer (Surgery) University of Toronto	1973-74

MEDICAL LICENSURES:

Texas - 1978-
Florida - 1984-2000
Colorado - 1998-

II. APPOINTMENTS

I) Research

a) Sunnybrook Medical Centre:

Research Committee Scientific	1976-84
Research Subcommittee Animal House	1974-76
Research Subcommittee Projects	1975-82
Research Subcommittee Projects (Chairman)	1978-80
Research Subcommittee Planning	1975-82
Vice-Chairman, Research Committee Scientific	1978-80
Research Advisory Committee	1978-84
Director of Research (Orthopaedics)	1978-91
Chairman, Research Committee Scientific	1980-82
Member, Research Trust Committee	1980-82
Run For Research Committee (Chairman)	1981-84
	1987-91
Director of Surgical Research, Dept. of Surgery	1982-85
Research Subcommittee, Policy	1982-84
Research Wing Utilization Committee	1986-88

b) University of Toronto:

Orthopaedic Research Committee	1979-84
Orthopaedic Research Day Committee (Co-Chairman)	1983

c) Provincial:

Consultant-Task Force on Health Research in Ontario	1982
--	------

d) International:

Research Co-ordinating Committee, Scoliosis Research Society	1983-84
Co-ordinator, International Spine Fracture Study, Scoliosis Research Society	1985-91
Member, Spine Study Group for the Development of Spinal Instrumentation, Association for the Study of Internal Fixation	1985-88
Chairman, Spine Study Group for the Development of Instrumentation, Association for the Study of Internal Fixation	1988-91
Chairman, Committee on Classification of Spinal Fractures. Scoliosis Research Society	1992-95
Executive Committee, Scoliosis Research Society	1989-92
e) Texas Back Institute	
Director, Research and Education (Houston)	1991-94
ii) Teaching	
a) Sunnybrook Medical Centre:	
Resident Liaison Committee	1973-74
Curriculum Committee Orthopaedics Period Two (Chairman)	1976-76
Resident Evaluation Committee (Orthopaedic Surgery)	1975-80
Chairman, Year 03 Musculoskeletal System Undergraduate Teaching	1982-84
Organizing Committee Update on Management of Acute Spinal and Spinal Cord Injuries (Sunnybrook Medical Centre and University of Toronto)	1980
b) Texas Back Institute (Houston):	
Director of Research and Education	1991-94
c) University of Texas:	
Director of Spinal Education	1991-93
d) Baylor College of Medicine:	
Coordinator, Spine Journal Club	1997-99
Coordinator, Spine Teaching Program	1999-01
Orthopedic Residents	
Advisory Committee, Department of Orthopedics	2002-3

- | | | |
|------|--|-----------|
| e) | International: | |
| | Chairman, Program Committee, | |
| | Spinal AO Courses | 1985-88 |
| | Chairman, AO Spine Courses | 1989-91 |
| | Chairman, AO Techniques of Pedicle Fixation | |
| | Course (Toronto) | 1989 |
| iii) | Clinical Appointments: | |
| a) | Sunnybrook Medical Centre: | |
| | Consultant Orthopaedic Surgeon | 1973-91 |
| | Oncology Committee | 1973-74 |
| | Medical Advisory Committee | 1980-82 |
| | Board of Trustees | 1980-82 |
| | Priorities and Planning Sub-committee | |
| | (Board of Trustees) | 1981-82 |
| | Program Steering Sub-committee | |
| | (Board of Trustees) | 1981-82 |
| | Facilities & Equipment Sub-committee | |
| | (Board of Trustees) | 1981-82 |
| | Fund Raising Committee (Board of Trustees) | 1981-82 |
| b) | St. John's Convalescent Hospital: | |
| | Consultant Orthopaedic Surgeon | 1973-91 |
| | Medical Advisory Committee | 1975-85 |
| | Admission and Discharge Committee (Chairman) | 1977-80 |
| | Tissue and Adult Committee | 1981-82 |
| | Radiology Committee (Chairman) | 1981-83 |
| c) | Lyndhurst Hospital: | |
| | Consultant Orthopaedic Surgeon | 1979-91 |
| d) | Texas Back Institute: | |
| | Consultant Spinal Surgeon | 1991-94 |
| | Medical Director | 1994 |
| e) | St. Joseph Hospital: | |
| | Consultant Spinal Surgeon | 1991-2006 |
| | Credentials Committee | 1993-95 |
| | Pain Management Task Force Committee | 1996 |

	Director, Spine Service	1996-8
f)	St. Luke's Episcopal Hospital: Consultant Spinal Surgeon	1996-2004
g)	Methodist Hospital Consultant Spinal Surgeon	1996-2006
h)	The Aspen Spine Institute Medical Director	2006-9
i)	WIN Health Institute Consultant	2008-9
j)	Orthopedic Associates of Aspen & Glenwood Consultant	2009-
iv)	National and International Appointments	
a)	Medical Advisory Committee, Canadian Paraplegic Association	1981-84
b)	Executive Board, International Society For Study of the Lumbar Spine (Canadian Representative)	1983-86
	(US Representative)	1992-94
c)	Board of Directors, Scoliosis Research Society	1990-93
d)	Executive Scoliosis Research Society	1995-7
e)	Executive Board, North American Spine Society (Canadian Representative)	1990-91
f)	Trustee, AO Foundation	1990-95
g)	Executive Board, International Society For Study of the Lumbar Spine (US Representative - Central)	1992-93
h)	Member Honors and Awards Committee North American Spine Society	1994-95
I)	Chairman, International Affairs Committee, Scoliosis Research Society	1995-97
j)	Member Collaborative Education Committee, North American Spine Society	1996-98
k)	Director, Board of Directors, American College of Spine surgery	2002-4
v)	State Society Appointments	
a)	Texas Orthopedic Association Workers' Compensation Committee - Member	1996-7
b)	Texas Orthopedic Association Health Care Policy Committee	1994

III. HONORS

Volvo Award for Best Basic Science Research Study,	1984
International Society for Study of the Lumbar Spine. Computer Analysis of Spinal Segment Motion and Degenerative Disc Disease With and Without Axial Loading. J.V. Seligman, M. Tile, A. Kapasouri, <u>S.D. Gertzbein</u> . Prize - \$6,000.	
Certification of Appreciation, Canadian Paraplegic Association (Ontario Branch)at Lyndhurst Hospital, Toronto	1985
Best Spinal Paper of the Orthopaedic Trauma Association Meeting,Baltimore, Maryland. Neurological Outcome following Surgery for Thoracic and Lumbar Fractures. <u>S.D. Gertzbein</u> , C.M. Court- Brown, R.R. Jacobs, P. Marks, C. Martin, M. Fazl, M. Schwartz and D. Rowed.	1987
Best Spinal Paper of the Orthopaedic Trauma Association Meeting,Dallas, Texas. Second year in a row. Preliminary Results of the AO Internal Fixator for Spinal Fractures. <u>S.D. Gertzbein</u> , S. Robbins, M. Fazl, M. Schwartz and D. Rowed.	1988
The Gordon W. D. Armstrong Guest Lectureship (First Lecturer). Ottawa Civic Hospital, University of Ottawa.	1989
AO Trustee, AO Foundation, Switzerland.	1990-95
Presidential Guest Speaker, Association of German- Speaking Spinal Surgeons, Karlsbad, Germany.	1990
2 nd Annual Guest Speaker, Rae R. Jacobs Memorial Lecturer, Kansas City, Kansas.	1990
Best Teacher, Orthopaedic Program, University of	1991-92

Texas

IV. PROFESSIONAL AFFILIATIONS & ACTIVITIES

Canadian Medical Association	1966-
College of Physicians & Surgeons of Ontario	1966-
Ontario Medical Association	1966-92
Academy of Medicine (Toronto)	1966-84
Canadian Orthopaedic Association	1975-
Canadian Orthopaedic Research Society	1975-
Canadian and American Medical and Dental Association	1976-83
The Ontario Orthopaedic Association	1978-95
Scoliosis Research Society	1981-2001
The International Society for the Study of the Lumbar Spine	1982-
Sunnybrook Orthopaedic Club	1983-91
President	1985-86
Book Reviewer (Orthopaedics) Modern Medicine of Canada	1976-84
Editor, SPINE	1983-91 1994-
Editor, Neuro-Orthopaedics	1985-93
Chairman, Spine Study Group, Association for the Study of Internal Fixation	1988-92
North American Spine Society Emeritus	1989-2008 2008-
Orthopaedic Trauma Association	1989-93
Consultant, ASTM Subcommittee on Spinal Implants	1989-90

Editor-in-Chief Journal of Spine Research	1991-93
Houston Orthopaedic Society	1991-95
American Medical Association	1991-2007
Texas Medical Association	1992-2007
Texas Orthopedic Association	1992-2007
Harris County Medical Society	1991-2007
American Academy of Orthopedic Surgeons Emeritus	1999-2008 2008-
Editor, The Spine Journal	2000-

V. ACADEMIC HISTORY

1. Research Endeavours

- | | | |
|----|--|---------|
| A. | Orthopaedic Research Fellow, Sunnybrook Medical Centre | 1971-72 |
| B. | Immunological aspects of joint disease:
Research investigations into the autoimmune aspects of chondrocytes | 1973-81 |
| | Immunological aspects of the spine:
Studies of auto-immunity in disc disease | 1973-81 |
| C. | Ligament and pelvic trauma laboratory studies | 1976-81 |
| D. | Biomechanics of the spine | 1979- |

2. Research Investigations, Awards and Grants

a) Clinical

- 1975 The Medical Shelf, A Patellar Meniscus: An Assessment of Patients with Internal Derangement of the Knee.
- 1976 Occult Fractures of the Pelvic Ring: An Assessment of Patients with Trauma to the Pelvis by Means of Bone Scan.
- 1977 Occult Fractures of the Pelvic Ring. An Assessment of Patients and an

Experimental Evaluation.

The Management of Tibial Plateau Fractures by Means
Of Cast Bracing.

1979 The Management of Tibial Plateau Fractures by Means
Of Cast Bracing.

Assessment of Harrington Instrumentation in the
Treatment of Unstable Spinal Fractures.

1980 Problems Associated with Harrington Instrumentation
in Spinal Fractures.

Management of Tibial Plateau Fractures by Means
Of Cast Bracing.

Conservative Management of Spinal Injuries.

1981 The Use of a New Analgesic in Post-operative Orthopaedic Patients.
A Modified Harrington Rod System in Spinal Fractures: A Multi-Centre
Trial.

1982 A Double-Blind Study of Zomepirac in
Post-Operative Orthopaedic Patients. **\$9,000**

A Modified Harrington Rod System in Spinal Fractures:
A Multi-Centre Trial.

1983 A Double-Blind Study of Zomepirac in Post-Operative
Orthopaedic Patients.

A Modified Harrington Rod System in Spinal Fractures: A Multi-Centre
Trial.

A Double-Blind Study of High Dose
Acetomenophen in Post-Operative
Orthopaedic Patients. **\$10,000**

A Double-Blind Study of a New Muscle
Relaxant in Acute Low Back Pain. **\$10,000**

Comparison of Spinal Encroachment and Neurological
Deficit in Spinal Fractures.

Results of Anterior Spinal Decompression.

- 1984 Prospective Review of Posterior Instrumentation (Synthes Rods) in the Treatment of Spinal Fractures.
- Review of Patients with Idiopathic Scoliosis without Thoracic Facetectomy.
- Efficacy of Acetomenophen 1,000 mgs. with Codeine in Post-Op. Orthopaedic Patients. **\$10,000**
- 1985 Efficacy of a New Anti-Inflammatory Analgesic in the Treatment of Post-Operative Knee Pain. **\$10,000**
- Prospective Review of Posterior Instrumentation (Synthes Rods) in the Treatment of Spinal Fractures.
- Review of Patients with Lumbar Flexion/Distracton Injuries.
- Fractures of the 5th Lumbar Vertebra.
- Spinal Fractures Associated with Ultra-Light Aircraft.
- The Effects of Posterior Instrumentation on Intraspinal Canal Bone Fragments.
- Results of Anterior Decompression on Neurological Outcome in Patients with Fractures of the Spine.
- Results of Chymopapain Injections for herniation of the Nucleus Pulposus.
- Scoliosis Research Society, Spine Fracture Study. **\$60,000**
- 1986 Scoliosis Research Society Spine Fracture Study.
- The Use of Segmental Wire Fixation in the Cervical Spine for Tumors.
- Circumferential Stabilization and Fusion for Unstable Spinal Fractures.
- 1987 Scoliosis Research Society Spine Fracture Study. Use of Segmental Wire Fixation in the Cervical Spine for Tumors.
- Use of the Internal Fixator in Spinal Fractures.
- 1988 Scoliosis Research Society Spinal Fracture Study.

Use of the Internal Fixator in Spinal Fractures.

Neurological Outcome Following Surgery for Thoracic and Lumbar Fractures.

Classification and Management of Flexion-Distraction Injuries of the Thoracic and Lumbar Spine.

The Use of a Locking-Hook Spinal Rod in the Treatment of Thoracic and Lumbar Fractures.

1989 Spinal Canal Clearance Using the AO Internal Fixator for Spinal Fractures.

Scoliosis Research Society Spinal Fracture Study **\$10,000**
Neurological Outcome following Surgery for Thoracic and Lumbar Fractures.

Classification of Thoracic and Lumbar Spinal Fractures.

1990 Scoliosis Research Society Spinal Fracture Study.

Classification of Thoracic and Lumbar Spinal Fractures.

Classification of Cervical Fractures.

Late Pain Following Thoracic and Lumbar Fractures in Paraplegics.

1991 Post-Traumatic Kyphosis: Development of a New Technique.

A New Technique for Repair of Bonegraft Donor Sites.

Multi-Centre Study of a New Pedicle Fixation Device.

1992 Multi-Centre Study of a Pedicle Fixation Device. **\$213,000**

Total Research Funding - Clinical **\$332,000**

b) Basic Science

1974

Sunnybrook Medical Centre
Auto-Immunity in Degenerative Disc Disease **\$10,000**

Sunnybrook Medical Centre Antigenicity of Chondrocytes	\$20,000
---	----------

1975

Medical Research Council of Canada Antigenicity of Chondrocytes	\$18,500
--	----------

Sunnybrook Medical Centre Antigenicity of Chondrocytes	\$20,000
---	----------

Department of Veterans' Affairs Auto-Immunity in Degenerative Disc Disease	\$12,000
---	----------

Sunnybrook Medical Centre Auto-Immunity in Degenerative Disc Disease	\$10,000
---	----------

Irving Howerd Cameron Scholarship (Surgical Research Fund) Auto-Immunity in Degenerative Disc Disease	\$ 1,000
--	----------

1976

Medical Research Council of Canada Antigenicity of Chondrocytes	\$18,400
--	----------

Sunnybrook Medical Centre Antigenicity of Cartilage Matrix	\$9,555
---	---------

Sunnybrook Medical Centre Bone Scans in Occult Pelvic Fractures	\$9,274
--	---------

Irving Howerd Cameron Scholarship (Surgical Research Fund) Auto-Immunity in Degenerative Disc Disease	\$3,000
--	---------

1977

Medical Research Council of Canada Antigenicity of Chondrocytes	\$4,850
--	---------

Sunnybrook Medical Centre Antigenicity of Chondrocytes	\$10,000
---	----------

Sunnybrook Medical Centre	
---------------------------	--

Auto-Immunity in Degenerative Disc Disease	\$16,380
Irving Howerd Cameron Scholarship (Surgical Research Fund)	
Antigenicity of Chondrocytes	\$3,000
Canadian Arthritis Society	
Antigenicity of Chondrocytes, Elaboration of a Suppressor Factor	\$18,063
Sunnybrook Medical Centre	
Antigenicity of Chondrocytes, Elaboration of a Suppressor Factor	\$12,324
Canadian Geriatric Research Society	
Antigenicity of Chondrocytes	\$5,000
Sunnybrook Medical Centre	
Development of a Harrington Instrumentation for Spinal Fusion	\$2,000
Sunnybrook Medical Centre	
Effect of Laser Osteotomy on Bone Healing	\$2,000
<u>1979</u>	
Sunnybrook Medical Centre	
Antigenicity of Chondrocytes, Elaboration of a Suppressor Factor	\$14,200
Sunnybrook Medical Centre	
Biomechanics of the Spine in Degenerative Disc Disease	\$4,000
Sunnybrook Medical Centre	
Cholesterol Induced Arthropathy (with Dr. A. Fam)	\$3,000
Canadian Arthritis Society	
Antigenicity of Chondrocytes, Elaboration and Characterization of a Suppressor Factor	\$22,500
<u>1980</u>	

Physicians' Services Incorporated Bone Scans in Ligamentous Injuries in Rabbits	\$13,900
Physicians' Services Incorporated Kinematic Study of Spinal Motion in Normal and Degenerative Discs	\$21,000
Sunnybrook Medical Centre Review of Spinal Fractures and Development of a Spinal Instrumentation for Stabilization of Spinal Fractures.	\$10,000
Sunnybrook Medical Centre Isolation of a Suppressor Factor in Mixed Lymphocyte-Chondrocyte Cultures	\$18,000
Sunnybrook Medical Centre Kinematic Study of Spinal Motion in Normal and Degenerative Discs	\$10,000
<u>1981</u>	
Canadian Arthritis Society Kinematics of the Lumbar Spine in Degenerative Disc Disease	\$10,000
Sunnybrook Medical Centre Kinematics of the Lumbar Spine in Degenerative Disc Disease	\$12,306
Sunnybrook Medical Centre Effect of Rigid Cement Fixation on Bone Trabeculae	\$21,304
Howmedica Manufacturing Company Effect of Rigid Cement Fixation on Bone Trabeculae	\$3,500
Richards Manufacturing Company Effect of Rigid Cement Fixation on Bone Trabeculae	\$9,000

1982

Sunnybrook Medical Centre Effect of Rigid Cement Fixation on Bone Trabeculae	\$10,000
--	----------

The Use of Zomepirac in Post-Operative Orthopaedic Surgery	\$9,000
---	---------

1983

Sunnybrook Medical Centre/Howmedica/Richards Effect of Rigid Cement Fixation on Bone Trabeculae	
---	--

Canadian Arthritis Society Centrod Patterns of the Lumbar Spine in Degenerative Disc Disease	\$25,000
--	----------

Sunnybrook Medical Centre Centrod Patterns of the Lumbar Spine in Degenerative Disc Disease	\$4,500
---	---------

Medical Research Council of Canada (1983-6) Centrod Patterns of the Lumbar Spine in Degenerative Disc Disease (Revoked due to other funding)	\$50,000
---	----------

1984

Physicians' Services Incorporated Research Grant Centrod Patterns in Degenerative Disc Disease	\$18,500
--	----------

1985

Sunnybrook Medical Centre Centrod Patterns in Degenerative Disc Disease	\$18,500
---	----------

The Effect of Memory Metal Alloys on Correction of Spinal Curvature in an Animal Model	
--	--

1986

Workers' Compensation Board of Ontario	
--	--

Centrode Patterns in Degenerative Disc Disease	\$12,000
Sunnybrook Medical Centre The Effect of Memory Alloys on Scoliosis Correction in an Animal Model	\$20,000
<u>1987</u>	
AO Foundation The Effect of Memory Alloys on Scoliosis Correction in an Animal Model	
Sunnybrook Medical Centre Centrode Patterns in Degenerative Disc Disease	\$18,500
<u>1988</u>	
Medical Research Council of Canada Centrode Patterns in Degenerative Disc Disease 1988-90	\$70,800
Sunnybrook Medical Centre Effects of Vibration and Impact Loading on the Dynamic Response of Normal Degenerative Spinal Segments	\$22,250
<u>1989</u>	
Medical Research Council of Canada Centrode Patterns in Degenerative Disc Disease 1988-90	
Sunnybrook Medical Centre Effects of Vibration and Impact Loading on the Dynamic Response of Normal Degenerative Spinal Segments	
AO Foundation The Effect of Memory Alloys on Scoliosis Correction in an Animal Model Development of a New Device for Anterior Stabilization of the Spine	\$25,000
<u>1990</u>	

Medical Research Council of Canada
Centrodie Patterns in Degenerative Disc Disease
1990-91

Sunnybrook Medical Centre
Effects of Vibration and Impact Loading
on Dynamic Response of Normal Degenerative
Spinal Segments

AO Foundation
The Effect of Memory Alloys on Scoliosis
Correction in an Animal Model

Development of a New Device for
Anterior Stabilization of the Spine \$25,000

AO Foundation
The Effect of Memory Alloys on Scoliosis
Correction in an Animal Model 82,000

1991

AO Foundation
The Effect of Memory Alloys on Scoliosis

Development of a New Anterior Device
for Stabilization of the Spine

1992

AO Foundation
The Effect of Memory Alloys on Scoliosis

Danek Foundation
Development of a New Anterior Device for
Stabilization of the Spine 62,000

1996

Danek Foundation
Clinical Review of Circumferential Fusions,
St. Joseph Hospital \$12,000

Total Research Funding for Basic Research \$836,106

Total Research Funding

\$1,204,106

Orthopaedic Research Fellows at Sunnybrook Medical Centre under the direction of Dr. S.D. Gertzbein and funded by grants.

1.	Dr. Andrei Czitrom, 1973-74	\$ 8,000
2.	Dr. Howard Tait, 1974-75	13,000
3.	Dr. Reuben Devlin, 1975-76	15,500
4.	Dr. Peter Goldfarb, 1976-77	16,500
5.	Dr. Dorritt deDemeter, 1977-78	16,500
6.	Dr. K. Chan, 1979-80	13,000
7.	Dr. Richard Holtby, 1980-81	20,000
8.	Dr. James Seligman, 1982-83	19,000
9.	Dr. Nigel Ogston, 1983-84	23,000
10.	Dr. Graham King, 1984-85	25,000
11.	Dr. Claude Martin, 1985-86	25,000
12.	Dr. Nikolaj Wolfson, 1986-87	25,000
13.	Dr. Peter Weiler, 1987-88	<u>27,500</u>

Total Research Funding for Research Fellows

\$247,000

Orthopaedic Clinical Spinal Fellows under the direction of Dr. S.D. Gertzbein

Sunnybrook Medical Centre (University of Toronto):

Dr. Colin Beauchamp	1982-83
Dr. James Stoll	1983-84
Dr. C.M. Court-Brown	1984-85
Dr. Robert Deane	1985-86
Dr. D. Crowe	1986-87
Dr. Stephen Robbins	1987-88
Dr. Paul Crowe	1988-89
Dr. Mitchell B. Harris	1989-90
Dr. S.J. Triantafyllou	1990-91

Texas Back Institute:

Dr. Henrik Mike-Mayer	1991-92
Dr. Mandume Kerina	1992-93

Baylor College of Medicine:

Dr. Jeffrey Wade	1997-98
Dr. Karl Bilderback	1998
Dr. Richard Francis	2000
Dr. Christian Fras	2000
Dr. Spiros Pneumaticos	2000

VI. SCHOLARLY WORK AND CREATIVE PROFESSIONAL ACTIVITY

A. Peer Reviewed Publications

1. Femoral Nerve Neuropathy Complicating Iliopsoas Hemorrhage in Patients Without Hemophilia. Gertzbein, S.D. and Evans, D.C. J Bone and Joint Surg 54B 1:149, 1972.
2. Recurrent Benign Osteoblastoma of the Spine, Gertzbein, S.D., Cruickshank, B., Hoffman, H., Taylor, G.A. and Cooper, P.W. J Bone and Joint Surgery, Vol. 55B: No. 4, 841, 1973.
3. Diagnosis of Occult Fractures and Dislocations. Gertzbein, S.D. and Barrington, T.W. Clinical Orthopaedics and Related Research, No. 108, p. 105, 1975.
4. Combined Staged Anterior and Posterior Correction and Fusion of the Spine in Scoliosis Following Poliomyelitis. O'Brien, J.P., Yau, Gertzbein, S.D. and Hodgson, A.R. Clinical Orthopaedics and Related Research, No. 110, p. 81-87, 1975.
5. The Stimulation of Lymphocytes by Chondrocytes in Mixed Cultures. Gertzbein, S.D. and Lance, E.M. Clinical and Experimental Immunology, Vol. 24, p. 102, 1976.
6. Degenerative Disc Disease of the Lumbar Spine. Immuno-logical Implications. Gertzbein, S.D. Clinical Orthopaedics and Related Research, Vol. 129, p. 68, 1977.
7. Stimulation of Lymphocytes by Nucleus Pulposus in Patients with Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D., Tait, J.H. and Devlin, S.R. Clinical Orthopaedics and Related Research, 123:152, 1977.
8. The Antigenicity of Chondrocytes. Gertzbein, S.D., Tait, J.H., Devlin, S.R., Argue, S., Immunology, 33(1):p. 141, 1977.
9. Occult Injuries of the Pelvis. Gertzbein, S.D. and Chenoweth, D.R. Clinical Orthopaedics and Related Research, No. 128, p. 202, 1977.
10. Altered Lymphocyte Response in Adjuvant-Induced Arthritis. Gertzbein, S.D., Goldfarb, P., Cruickshank, B., deDemeter, D., Argue, S. and Kapasouri, A. J of Rheum 6:629-635, 1979.
11. Complete Fracture-Dislocation of the Thoracic Spine Without Neurological Deficit. Gertzbein, S.D. and Offierski, C. J Bone and Joint Surgery. Vol. 61, pp. 440-451, 1979.

12. Epidural Vascular Malformation Demonstrated by Epidural Venography. Saibil, E., Rowed, D.W., Gertzbein, S.D. American Journal of Roentgenology. 132:987-188, June 1979.
13. A Clinical and Experimental Investigation of Occult Injuries of the Pelvic Ring. Chenoweth, P.R., Cruickshank, B., Gertzbein, S.D., Goldfarb, P. and Janosick, J. Vol. 102, No. 1, p. 59-65, 1980.
14. Experimental Crystal Arthropathy. Pritzker, K.P.H., Fam, A.G., Omar, S.A. and Gertzbein, S.D. Journal of Rheumatology Vol. 8 (2) pp. 281-290, 1981.
15. The Effect of Laser Osteotomy on Bone Healing. Gertzbein, S.D., deDemeter, D., Cruickshank, B. and Kapasouri, A. Lasers in Surgery and Medicine, 1:361-373, 1981.
16. Harrington Instrumentation as a Method of Fixation in Fractures of the Spine: A Critical Analysis of Deficiencies. Gertzbein, S.D., Macmichael, D. and Tile, M. J of bone and Joint Surgery, 64B, 526-529, 1982.
17. A Locking Hook Spinal Rod: Current Status of Development Jacobs, R.S., Dahners, L.E., Gertzbein, S.D., Nordwall, A., Mathys, R. Jr. Paraplegia, Vol. 21, pp. 197-200, 1983.
18. Determination of a Locus of Instantaneous Centres of Rotation of the Lumbar Disc by Moire Fringes: A New Technique. Gertzbein, S.D., Holtby, R., Tile, M., Kapasouri, A., Chan, K.W. SPINE Vol. 9, No. 4, pp. 409-413, 1984.
19. Radiographic Assessment of Harrington Rod Instrumentation for Spinal Fractures. Rubenstein, J., Gertzbein, S.D. Journal of the Canadian Association of Radiologists, Vol. 135, pp. 159-163, June 1984.
20. Management of Acute Spinal Cord Injuries. Tator, C.H., Rowed, D.W., Schwartz, M.L., Gertzbein, S.D., Bharatwal, N., Barkin, M. and Edmonds, V.E. Canadian Journal of Surgery, No. 27, pp. 289-296, 1984.
21. 1984 Volvo Award in Basic Science: Computer Analysis of Spinal Segment Motion in Degenerative Disc Disease With and Without Axial Loading. Seligman, J.V., Gertzbein, S.D., Tile, M. and Kapasouri, A. SPINE, Vol. 9, No. 6, pp. 566-573, September 1984.
22. Moire Patterns: An Accurate Technique for the Determination of the Locus of Centres of Rotation. Gertzbein, S.D., Chan, K.H., Tiles, M., Seligman, J. and Kapasouri, A. Journal of Biomechanics, Vol. 18, No. 7, pp. 501-509, 1985.

23. Centrode Patterns and Segmental Instability in Degenerative Disc Disease. Gertzbein, S.D., Seligman, J., Holtby, R., Chan, K.H., Kapasouri, A., Tile, M. and Cruickshank, B. SPINE, Vol. 10, No. 3, pp. 257-261, 1985.
24. Kinematics of the Distal Radioulnar Joint. King, G.J., McMurtry, R.Y., Rubenstein, J.D., Gertzbein, S.D. Journal of Hand Surgery, pp. 798-804, 1986.
25. Centrode Characteristics of the Lumbar Spine as a Function of Segmental Instability. Gertzbein, S.D., Seligman, J., Holtby, R., Chan, K.H., Ogston, N., Kapasouri, A., Tile, M. Clinical Orthopaedics and Related Research, No. 208, pp. 48-51, 1986.
26. An Analysis of the Analgesic Efficacy of Acetaminophen Codeine and Acetaminophen plus Codeine in the Treatment of Post-Surgical Pain. Gertzbein, S.D., Luffman, J., Harsanyi, Z., Tile, M., Kellam, J.F., Hunter, G.A. Pharmacotherapy, 1986.
27. Centrode Patterns in the Lumbar Spine: Baseline Studies in Normal Subjects. Ogston, N.G., King, G.J., Gertzbein, S.D., Tile, M., Kapasouri, A., Rubenstein, J.D. SPINE, Vol. 11, No. 6, 595, 1986.
28. Thoracic Facetectomy and Bone Grafting in the Surgical Treatment of Adult idiopathic Scoliosis. Court-Brown, C.M., Stoll, J.E., Gertzbein, S.D. SPINE, Vol. 12, No. 10, pp. 992-995, 1987
29. Ultralight Aircraft Crashes: Their Increased Incidence and Associated Fractures of the Thoracolumbar Spine. Zwimpfer, T.J., Gertzbein, S.D. TRAUMA, Vol. 27, No. 4, 431-436, 1987.
30. The Management of Burst Fractures of the 5th Lumbar Spine. Court-Brown, C.M., Gertzbein, S.D. SPINE, Vol. 12, No. 3, pp. 308-312, 1987.
31. The Locking Hook Spinal Rod: Current Status and Future Development. Jacobs, R.R. and Gertzbein, S.D. In Die Wirbelsaule in Forschung und Praxis, Vol. 107, pp. 112-126, 1988.
32. Flexion/Distracton Injuries of the Lumbar Spine: Mechanisms of Injury and Classification. Gertzbein, S.D. and Court-Brown, C.M. Clinical Orthopaedics and Related Research, Vol. 227, pp. 52-60, 1988.
33. The Neurological Outcome Following Surgery for Spinal Fractures. S.D. Gertzbein, R.R. Jacobs, C.M. Court-Brown, P. Marks, C. Martin, M. Fazl, M. Schwartz and D. Rowed. SPINE, Vol. 13, No. 6, pp. 641-644, 1988.
34. Decompression and Circumferential Stabilization of Unstable Spinal Fractures. S.D. Gertzbein, R.R. Jacobs, J. Stoll, D. Rowed, C.M. Court-Brown, P. Marks, M. Fazl, C. Martin, M. Schwarz. SPINE, Vol. 13, No. 7, pp. 892-895, 1988.

35. The Rationale for Management of Flexion/Distracton Injuries of the Thoracic/Lumbar Spine Based on a New Classification. Gertzbein, S.D. and Court-Brown, C.M. Journal of Spinal Disorders, Vol. 2, No. 3, pp. 176-183, 1989.
36. Sequestered Lumbar Intervertebral Disc Associated with Vertebral Erosion. Briceno, C.E., Fazl, M., Willinsky, R.A. and Gertzbein, S.D. SPINE, (14) 8:898-899, 1989.
37. Accuracy of Pedicle Screw Placement In-Vivo. S.D. Gertzbein and S.E. Robbins. SPINE, Vol. 15, No. 3, pp. 8-11, 1990.
38. Results of the Locking Hook Spinal Rod for Fractures of the Thoracic and Lumbar Spine. Gertzbein, S.D., R.R. Jacobs, J. Stoll, C. Martin, P. Marks, M. Fazl, D. Rowed and M. Schwartz. SPINE, Vol. 15 (4):275-280, 1990.
39. Post-traumatic Ligamentous Disruption of the Cervical Spine, an Easily Overlooked Diagnosis: Presentation of Three Cases. M. Fazl, J. LaFebvre, R.A. Willinsky and S.D. Gertzbein. Neurosurgery, 26:674-677, 1990.
40. Posterior Dislocation of the Lumbosacral Joint: A Case Report. S.D. Gertzbein. J of Spinal Disorders, Vol. 3, No. 2, pp. 174-178, 1990.
41. Analysis of Sagittal Plane Instability of the Lumbar Spine In-Vivo. P.J. Weiler, S.D. Gertzbein and G.J. King. SPINE, Vol. 15, No. 12, pp. 1300-1306, 1990.
42. Wedge Osteotomy for the Correction of Post-Traumatic Kyphosis. S.D. Gertzbein and M.B. Harris. SPINE, Vol. 17, No. 3, pp. 374-379, 1992.
43. Scoliosis Research Society Multi Center Spine Fracture Study. S.D. Gertzbein, Coordinator. SPINE, Vol. 17, No. 5, pp. 528-540, 1992.
44. Canal Clearance in Burst Fractures Using the AO Internal Fixator. S.D. Gertzbein, P.J. Crowe, M. Fazl, M. Schwartz and D. Rowed. SPINE, Vol. 17, No. 5, pp. 558-560, 1992.
45. Spine Update Classification of Thoracic and Lumbar Fractures. S.D. Gertzbein, SPINE, Vol. 19, No. 5, pp. 626-628. 1994.
46. Neurologic Deterioration in Patients with Thoracic and Lumbar Fractures after Admission to the Hospital. S.D. Gertzbein, SPINE, Vol. 19, No. 15, pp. 1723-1725, 1994.
47. A Comprehensive Classification of Thoracic and Lumbar Injuries. F. Magerl, M. Aebi, S.D. Gertzbein, J. Harms and S. Nazarian. European Spine Journal, Vol. 3, pp. 183-201, 1994.
47. Iliac Crest Reconstruction After Tri-Cortical Graft Harvesting. M.D. Harris, J. Davis

and S.D. Gertzbein. Journal of Spinal Disorders, Vol. 7:3, pp. 216-221, 1994.

49. Semi-rigid Instrumentation in the Management of Lumbar Spinal Conditions Combined with Circumferential Fusion: A Multicenter Study. Gertzbein, S.D., Betz, R., Clements, D., Errico, T., Hammerberg, K., Robbins, S. Shepherd, E., Weber, A., Kerina, M., Albin, J., Wolk, D., Ensor, K. SPINE, Vol. 21:16, pp. 1918-1925, 1996.
50. An Unusual Cause of Lumbar Discitis. S.D. Gertzbein, M.D., M. Hollopeter, PA-C, J.E. Bertini, M.D. and H.D. Murdock, M.D. SPINE, Vol. 23, No. 6, pp. 734-736, 1998.
51. Traumatic Pneumomyelography: A Marker of Spinal Column Injury in the Face of Innocuous Spine Fractures: Two Case Reports. SPINE, Vol. 23, No. 11, pp. 1283-1286, 1998.
52. Pseudoarthrosis of the Lumbar Spine: Outcome After Circumferential Fusion. S.D. Gertzbein, M.R. Hollopeter, S. Hall. SPINE, Vol. 23, No. 21, pp. 2352-2356, 1998.
53. Analysis of Circumferential Lumbar Fusion: Outcome in the Treatment of Degenerative Disc Disease of the Lumbar Spine. S.D. Gertzbein, M. Hollopeter, S.D. Hall. Journal of Spinal Disorders, Vol. 11, No. 6, pp. 472-478, 1999.
54. Disc Herniation After Lumbar Fusion: S.D. Gertzbein and M.R. Hollopeter. SPINE, Vol 27 No 16, pp. E373-E376, 2002.
55. Lumbar Isthmic Defects in Teenagers Resulting from Stress fractures: C. A. Reitman, S. D. Gertzbein and W. R. Frances. Spine Journal, Vol 2 No. 4, pp303-306, 2002.
56. Observer Agreement in Assessing Flexion-Extension X-rays of the Cervical Spine, with & without the Use of Quantitative Measurements of Intervertebral Motion. M. Taylor, J. A. Hipp, S. D. Gertzbein, S. Gopinath & C. A. Reitman. The Spine Journal, Vol.7, #7 pp. 654-658, 2007.

B. Non-Peer Reviewed Publications

1. Auto-immunity in Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D., Tile, M., Gross, A. and Falk, R. Orthopaedic Clinics of North America, Vol. 6, No. 1, p. 67, 1975.
2. The Effect of Laser Osteotomy on Bone Healing. Gertzbein, S.D., deDemeter, D., Cruickshank, B. Kapasouri, A. Laser Surgery, Part I. Proceedings of the Third International Congress for Laser Surgery, Part I, pp. 224-229, 1979.

3. The Antigenicity of the Intervertebral Disc. Gertzbein, S.D. Osteoarthritis Symposium in Seminars in Arthritis and Rheumatism. Editors: D.S. Howell and J.H. Talbot. Vol. 11, No. 1 Supplement 1, pp. 111-112, 1981.
4. A New Technique for Macroautoradiography of Bone. Gertzbein, S.D., Kapasouri, A., Cruickshank, B., Gentles, W., Vanderby, M.D., Janosik, J. The Contribution of Laboratory Animal Science to the Welfare of Man and Animals, Past, Present and Future - 8th Symposium, ICLAS (1983), pp. 395-501, 1985.
5. Prediction of Lumbar Spinal Segment Instability by Centrode Patterns. Gertzbein, S.D., Tile, M., Seligman, J.V., Kapasouri, A., Ogston, N., Chan, K.H., King, G., Holtby, R., Rubenstein, J.D. In Back Ache and Back Discomfort, Naples, Italy, October 1985. Advisory Group for Aerospace Research and Development. NATO Conference Proceedings #378, pp. 20-1 to 20-9, 1986.
6. The Locking Hook Spinal Rod: Current Status and Future Development. Jacobs R. R. and Gertzbein S. D. In Die Instrumentierte Fusion von Wirbelsäulenfracturen und –erkrankungen. Hippokrates Verlag Stuttgart. pp.122-126,1988.
7. Update on Investigative Technique and Treatment of Thoracic Lumbar Fractures. Gertzbein, S.D. International Back Pain News, August, 1990.
8. Spine Fusion Today - State of the Art Roundtable. Orthopaedic Special Edition Vol. 1, No. 8, pp. 1-19, 1992.
9. Flexion Distraction Injuries of the Thoracolumbar Spine: A Review. Triantafyllou, SJ and Gertzbein, S.D. Orthopaedics. Vol. 15, No. 3, pp. 357-564, 1992.
10. Biologic Spinal Fusion: How Close to becoming Mainstream? Women's Health, Orthopedic Edition, May-June, pages 78-80, 2003.

C. Textbook and Chapters

i) Textbook

Fractures of the Thoracic & Lumbar Spine. Gertzbein, S.D. Williams & Wilkins, ISBN 0-683-03490-1, 1992

ii) Chapters

1. Traffic Related Injuries and Seatbelts. Gertzbein, S.D., in Workshop on Early Management of Acute Cervical Spinal Cord Injury. Raven Press, pp. 59-65, 1982.
2. Assessment of Cervical Spinal Instability. Gertzbein, S.D., in Workshop on Early Management of Acute Cervical Spinal Cord Injury. Raven Press, pp. 41-52 1982.

3. Ankylosing Spondylitis and Cervical Cord Injury. Gertzbein, S.D. in Workshop on Early Management of Acute Cervical Spinal Cord Injury. Raven Press, pp. 349-355, 1982.
4. Orthopaedic Management of the Injured Spine, Chapter 9. Gertzbein, S.D., in Management of Spinal Cord Injuries. Editor: R. Bloch and M. Basbaum. Williams and Wilkins Company, pp. 28-77, 1986.
5. Thoracolumbar Spinal Injuries - Imaging. S.D. Gertzbein, H. Colter, G. Wojic and F. Harris. in Current Orthopaedics, The Postgraduate Review Journal. Editor: R. Dickson, Vol. 2, pp. 218-226, 1988.
6. Anterior vs Posterior Surgery in the Management of Thoracic and Lumbar Fractures. Current Controversies in Trauma, S.D. Gertzbein in Seminars in Orthopaedics. Edited by Dr. J.W. Harkness, S.P.F. Hughes and K.P. Schulitz: Guest Editor: C.M. Court-Brown, Vol. 3, No. 3, pp. 151-156, 1988.
7. Stabilization of the Spinal Column. S.D. Gertzbein in Management of Blunt Trauma. Edited by R.Y. McMurtry and B.A. McLellan, Chapt 30, pp. 331-344, 1990. Williams and Wilkens, Baltimore, Maryland.
8. Lumbar Spinal Fractures. S.D. Gertzbein and Court-Brown, C.M., in Disorders of the Lumbar Spine. Editor: Y. Floman, Aspen Publishing, Chapter 25, pp. 615-662, 1990.
9. Anterior Surgery as the Primary Treatment for Thoracolumbar Fractures. S.D. Gertzbein, Editor: E.N. Hanley, in Seminars in Spine Surgery, W.B. Saunders Company, Vol. 2, No. 1, pp. 31-34, 1990.
10. AO Manual of Spinal Fractures. Editors: S.D. Gertzbein and E. Morscher. Publisher: Springer-Verlag, (in preparation), 1991.
11. The Spine, Ch. 16, M. Aebi, J. Webb, S.D. Gertzbein, F. Magerl and E. Morscher in Manual of Internal Fixation, 3rd Edition, Eds. M.E. Muller, M. Allgower, R. Schneider, H. Willenegger, Springer, Verlag, 1991.
12. The Use of Halo Vest in Management of Cervical Fractures. Section V, Ch. 17. M.L. Schwartz, S.D. Gertzbein, M. Fazl in Disorders of the Cervical Spine. Editors: M.B. Camins and P.F. O'Leary, Williams & Wilkins Company, 1992.
13. AO Fixateur Interne. P. Vasquez-Seone, S.D. Gertzbein, H. Yuan, Editors: J. Cotler and H. An, in Spinal Instrumentation, Williams and Wilkins, 1992.
14. Segmental Instability of the Lumbar Spine: In Vitro and In Vivo Studies. S.D.

- Gertzbein, in Seminars in Spine Surgery 3:(2) pp. 167-172, 1991.
15. Flexion-distraction Injuries of the Thoracolumbar Spine. S.J. Triantafyllou and S.D. Gertzbein, Orthopedics, Vol. 15, No. 3, pp. 357-364, 1992.
 16. Fractures of the Thoracic and Lumbar Spine. (Textbook) S.D. Gertzbein, Williams and Wilkins, 1992.
 17. Thoracolumbar Spine Fractures Without Neurological Deficit. (Monograph) Ed. E.S. Stauffer, American Academy of Orthopaedic Surgeons Monograph Series, 1993.
 18. Cervical Fusions: Arthrodesis and Osteosynthesis of the Cervical Spine. Chapter 100. H. Mike'Mayer, H.B. Cotler, S.D. Gertzbein, Mosby, St. Louis. In Spine Care Operative Treatment Vol. 2, pp. 1394-1427, 1995.
 19. Fractures of the Lumbar Spine: Evaluation, Classification and Treatment. Chapter 12. Garfin S., Gertzbein, S.D., Eismont, F.J. Saunders Company, Philadelphia. In the Lumbar Spine, Second Edition Vol. 2, pp. 822-873, 1996.
 20. Classification of Spinal Fractures: Surgery of Thoracolumbar Trauma. In Seminars in Spine. Editor E.N. Hanley, Jr. Vol.7, 2, pp. 70-90, 1995.
 21. The MOSS System for Degenerative Lumbar Disease. In the Textbook of Spinal Surgery, Chapter 94, Second Edition, Editors Bridwell, KH and DeWald RL. Lippincott-Raven, Philadelphia/New York, pp. 1663-1668, 1997.
 22. Disorders of the Spino-pelvic Junction: Indications for fixation and fusion in cases of trauma. In Lumbosacral and Spino-pelvic Fixation. Editors, JY Margulies, Y Floman, JP Farcy and M Neuwirth. Section 2, Chapter 11, Pgs. 123-128, 1996.
 23. Management of Late Kyphotic Deformity of Fractures. In Revision Spine Surgery. Editors, JY Margulies, M. Aebi, J'P C. Farcy. Section 6, Chapter 22, Pgs. 322-329, 1999.
 24. Comprehensive Classification System, Chapter 5. Classification of Thoracolumbar Burst Fractures. In Controversies in Spine Surgery: Surgical Techniques and Medical Treatment. Editors, Zdeblick, T., Anderson PA and Sullerman C.B. Vol. 1, pp. 123-138, 1999.
 25. Lower Lumbar Fractures, Chapter 33, S.D. Gertzbein, M.D. In Fractures of the Cervical, Thoracic & Lumbar Spine. Editor, A.R. Vaccaro. Publishers, Marcel Dekker, Inc. 2002.
 26. Classification of Thoracolumbar Fractures in Management of Thoracolumbar Fractures. Editor, CA Reitman, American Academy of Orthopedic Surgeons, pp. 19-26, 2004.

26. Metastatic Spine Tumors, In the Lumbar Spine, Chapter 82, pp. 792-802. Editors, Herkowitz, Devorakel, Bell, Nordin, Grob, 2004.

Miscellaneous Publications:

1. Point of View: S.D. Gertzbein, M.D. RE: Posterior transvertebral osteotomy for adults thoracolumbar kyphosis. SPINE, Vol. 19, No. 18, pp. 2060-2067, 1994.
2. Point of View: S.D. Gertzbein, M.D. RE: Clinical relevance of accuracy of pedicle screw placement: A computed tomographic-supported analysis. SPINE, Vol. 23, No. 20, pp. 2220-2221, 1998.
3. Point of View: S.D. Gertzbein, M.D. RE: Urgent Stabilization and Thoracic and Thoracolumbar Fractures. SPINE, Vol. 24, No. 26, p. 1654, 1999.
4. Point of View: S.D. Gertzbein, M.D. RE: A New System of Classification for Spinal Injuries. The Spine Journal. Vol. 1, No. 1, p. 24, 2001.

Published Abstracts

1. Femoral Nerve Neuropathy Following Iliopsoas Hemorrhage in Non-Hemophiliacs. S.D. Gertzbein and Evans, D.C., Journal of Bone and Joint Surgery, Vol. 54B, p. 770, 1972.
2. The Medial Synovial Shelf: A Patellar Meniscus. Gertzbein, S.D. and Galway, R.D. Journal of Bone and Joint Surgery, 58B, 142: 1976.
3. The Stimulation of Lymphocytes by Nucleus Pulposus in Patients with Disc Disease of the Lumbar Spine. Gertzbein, S.D., Tait, J.H. and Devlin, S.R. Canadian Orthopaedic Research Society, in Orthopaedic Transactions, Vol. 1, No. 1, p. 32, November 1977 and American Orthopaedic Research Society, Vol. 1, No. 2, p. 202, 1977.
4. Antigenicity of Chondrocytes. Gertzbein, S.D., Tait, J.H., Devlin, S.R. and Argue, S. Orthopaedic Research Society, in Orthop. Trans. Vol. 1, No. 2, p. 234, 1977, and Canadian Orthopaedic Research Society, Vol. 2, No. 1, p. 77, 1978.
5. An Experimental Investigation of Occult Pelvic Injuries. Gertzbein, S.D., Chenoweth, D.R., Goldfarb, P. and Janosic, J. in Transactions of the 24th Annual Meeting of the Orthopaedic Research Society, Vol. 3, p. 212, 1978.
6. The Elaboration of Suppressor Factor in Mixed Lymphocyte-Chondrocyte Cultures. Gertzbein, S.D., Goldfarb, P. and Argue, S. American Orthopaedic Research

- Society, in Orthopaedic Transactions, Vol. 2, No. 1, p. 77, 1978.
7. The Use of Halo Devices for Patients with Acute Spinal Cord Injury. Tator, C.H., Rowed, D.W., English, E., Tile, M., Gertzbein, S.D. and Edmonds, V. Canadian Journal of Neurological Sciences, Vol. 4, p. 235, 1977.
 8. Degenerative Disc Disease of the Lumbar Spine: Immunological Implications. Gertzbein, S.D., Journal of Continuing Education - Orthopaedics, Vol. 6, p. 57, 1978.
 9. The Elaboration of a Suppressor Factor in Rat Mixed Lymphocyte-Chondrocyte Culture. Gertzbein, S.D., Goldfarb, P., deDemeter, D., Argue, S. and Kapasouri, A. Annals, Royal College of Physicians and Surgeons of Canada, p. 92, January 1979.
 10. Cholesterol Associated Synovitis: A Clinical-Pathological Study of Eight Patients. Fam, A.G., Little, A.H., Pritzker, K., Gertzbein, S.D., Annals, Royal College of Physicians and Surgeons of Canada, p. 94, January 1979.
 11. The Effect of Adjuvant-Induced Arthritis on Lymphocyte Response. Gertzbein, S.D., Goldfarb, P., deDemeter, D., Argue, S. and Kapasouri, A. American Orthopaedic Research Society, in Orthopaedic Transactions, Vol. 3, No. 2, p. 161, 1979.
 12. Altered Lymphocyte Response in Adjuvant-Induced Arthritis. Gertzbein, S.D., Goldfarb, P., deDemeter, D., Cruickshank, B. and Kapasouri, A. Canadian Orthopaedic Research Society, in Orthopaedic Transactions, Vol. 3, No. 3, p. 370, 1979.
 13. Degenerative Disc Disease of the Lumbar Spine: Immunological Implications. Gertzbein, S.D., The Swiss Medical Digest in Orthopaedics, 79:1, p. 3, 1978.
 14. Degenerative Disc Disease of the Lumbar Spine. Immunological Implications. Gertzbein, S.D., The Journal of Continuing Education in Orthopaedics, 6:11, p. 57, 1979.
 15. Enhancement of Diminished Lymphocyte Response in Adjuvant-Induced Arthritis. Gertzbein, S.D., Baron, M. and Kapasouri, A. Canadian Orthopaedic Research Society, in Orthopaedic Transactions, Vol. 4, No. 3, p. 408, 409, 1980.
 16. Problems Associated with Harrington Instrumentation in Spinal Fractures. Gertzbein, S.D., Macmichael, D. and Tile, M. in Transactions of the Canadian Orthopaedic Association, 36th Annual Meeting, p. 58, June 1980.
 17. Antigenicity of the Intervertebral Disc. Gertzbein, S.D., in Transactions of the Symposium on Osteoarthritis, Palm Aire, Pompano Beach, Florida, p. 60, October 1980.

18. A New Technique for Determination of the Centre of Rotation of the Lumbar Spine. Gertzbein, S.D., Chan, K.W. and Tile, M., in Transactions of the Canadian Orthopaedic Research Society, p. 15, June 7, 1981.
19. Problems Association with Harrington Instrumentation of Spinal Fractures. Macmichael, D.D., Gertzbein, S.D., Tile, M. and English, E. Journal of Bone and Joint Surgery, Vol. 63B, No. 3, p. 462, 1981.
20. Determination of the Locus of Centres of Rotation of the Lumbar Disc by Moire Fringes: A New Technique. Gertzbein, S.D., Chan, K.H., Holtby, R. and Tile, M., Transactions of the 28th Annual Meeting, Orthopaedic Research, Vol. 7, p. 194, 1982.
21. Determination of the Locus of the Centre of Rotation of the Lumbar Disc by Moire Fringes. Gertzbein, S.D., Tile, M. and Holtby, R. Arthritis and Rheumatism. Vol. 25, No. 4, Supplement, p. S102, April 1982.
22. A Locking Hook Spinal Rod: A Preliminary Clinical Report on its Use in 30 Thoracolumbar Spinal Injuries. Jacobs, R.R., Gertzbein, S.D. and Nordwall, A., Transactions of the International Society for Study of the Lumbar Spine, June 7, 1982.
23. Determination of the Locus of Centres of Rotation of the Lumbar Disc by Moire Fringes: A New Technique, Gertzbein, S.D., Tile, M., Holtby R., Chan, K.W. and Kapasouri, A., in Transactions of the International Society for the Study of the Lumbar Spine, June 7, 1982.
24. A New Technique for Macro-Autoradiography of Bone. Gertzbein, S.D., Kapasouri, A., Cruickshank, B., Vanderby, B. and Gentles, W., in Transactions of the 16th Annual Meeting of the Canadian Orthopaedic Research Society, p. 59, June 11-13, 1982.
25. The Effect of Ligament Strain on Bone Turnover. Gertzbein, S.D., Kapasouri, A., Cruickshank, B., Vanderby, B. and Gentle W., in Transactions of the 16th Annual Meeting of the Canadian Orthopaedic Research Society, p. 37, June 12, 1982.
26. Determination of the Locus of Centres of Rotation of the Lumbar Disc by Moire Fringes. Gertzbein, S.D., Holtby, R., Tile, M., Kapasouri, A. and Chan, K.W., in Transactions of the 16th Society, p. 54, June 11-13, 1982.
27. Harrington Instrumentation as a Method of Fixation of Fractures of the Spine: A Critical Analysis of Deficiencies. Gertzbein, S.D., Macmichael, D. and Tile, M., in Transactions of the 17th Annual Meeting of the Scoliosis Research Society, p. 150, 1982.
28. A Locking Hook Spinal Rod: Current Status of Development. Jacobs, R.R., Dayners, L.E., Gertzbein, S.D., Nordwall, A. and Mathys, R., in Transactions of the

17th Annual Meeting of the Scoliosis Research Society, p. 78, 1982.

29. A Locking Hook Spinal Rod: Current Status of Development. Jacobs, R.R., Dayners, L.E., Gertzbein, S.D., Nordwall, A. and Mathys, R., in Orthopaedic Transactions, Vol. 7, No. 1, p. 14.
30. Centrode Patterns in Degenerative Disc Disease. Gertzbein, S.D., Seligman, J., Holtby, R., Chan, K.W., Kapasouri, A. and Tile, M., 17th Annual Meeting, Canadian Orthopaedic Research Society, 1983, in Orthopaedic Transactions, Vol. 8, No. 2, p. 218, 1984.
31. Centrode Patterns in Segmental Instability in Degenerative Disc Disease. Gertzbein, S.D., Seligman, J., Holtby, R., Chan, K.W., Kapasouri, A., Tile, M. and Cruickshank, B. Transactions of the International Society for the Study of the Lumbar Spine.
32. Centrode Patterns in Degenerative Disc Disease. Gertzbein, S.D., Seligman, J., Holtby, R., Chan, K.W., Kapasouri, A. and Tile, M., Transactions, 17th Annual Meeting Canadian Orthopaedic Research Society, June 5-6, 1983, Quebec City, Quebec.
33. A Locking Hook Spinal Rod: A Preliminary Clinical Report on its use in 30 Thoracolumbar Spinal Injuries. Jacobs, R.R., Gertzbein, S.D., Nordwall, A., in Orthopaedic Transactions, Vol. 7, No. 1, p. 94, 1983.
34. Determination of the Locus of the Centres of Rotation of the Lumbar Disc by Moire Fringes: A New Technique. Gertzbein, S.D., Tile, M., Holtby, R., Khan, K.H. and Kapasouri, A., in Orthopaedic Transactions, Vol. 7, No. 1, p. 96, 1983.
35. New Methods in Spinal Column Fixation. Gertzbein, S.D., 4th Annual Clinical Day, Sunnybrook Medical Centre, p.1, October 1983.
36. Centrode Patterns in Degenerative Disc Disease. Gertzbein, S.D., Tile, M., Holtby, R., Seligman, J., Kapasouri, A., in Orthopaedic Transactions, Vol. 8, No. 2, 1984.
37. Computer Analysis of Spinal Segment Motion in Degenerative Disc Disease with and without Axial Loading. Seligman, J., Gertzbein, S.D., Tile, M. and Kapasouri, A., American Orthopaedic Research Society, 30th Annual Meeting, Vol. 9, p. 254, February 1984, in Orthopaedic Transactions, Vol. 8, No. 2, p. 308, 1984.
38. Computer Analysis and Spinal Segment Motion in Degenerative Disc Disease with and without Axial Loading. Seligman, J., Gertzbein, S.D., Tile, M. and Kapasouri, A., Transactions of the Canadian Orthopaedic Research Society, Winnipeg, p. 63, June 11, 1984.
39. Surgical Treatment of Spine Injury. Gertzbein, S.D., Second International

- conference on Rehabilitation Engineering, Ottawa, Canada, pp. 74-75, June 19, 1984.
40. Current Management of Vertebral Fractures. Gertzbein, S.D., Proceedings of the American College of Spinal Surgeons, in Orthopaedic Transactions, Vol. 9, No. 2, p. 215, 1985.
 41. Radiographic Assessment of Harrington Rod Instrumentation for Spinal Fractures. Rubenstein, J.D., Gertzbein, S.D., Year Book of Orthopaedics, pp. 64-66, 1985.
 42. Computer Analysis of Spinal Segment Motion in Degenerative Disc Disease with and without Axial Loading. Seligman, J.V., Gertzbein, S.D., Tile M. and Kapasouri, A., Orthopaedic Transactions, Vol. 9, No. 1, p. 161, 1985.
 43. Centrode Patterns of the Lumbar Spine: Baseline Studies in Normal Subjects. Ogsten, N.C., King, G.J., Gertzbein, S.D., Tile, M., Kapasouri, A. and Rubenstein, J.D., in Transactions of the International Society for Study of the Lumbar Spine, April 1985.
 44. Current Management of Vertebral Fractures. Gertzbein, S.D., American College of Spinal Surgeons, January 23 & 24, 1985, in Orthopaedic Transactions, Vol. 9, No. 2, p. 215, 1985.
 45. Radiological Evaluation of Spine Trauma. Gertzbein, S.D., in Transactions of the Spine Study Group, October 25-29, 1985, San Diego, California.
 46. Adult Scoliosis. Gertzbein, S.D., in Transactions of the Spine Study Group, October 25-29, 1985, San Diego, California.
 47. Results of a Locking Hook Spinal Rod System for Fractures of the Thoracic and Lumbar Spine. Gertzbein, S.D., Stoll, J.E. and Jacobs, R.R., Orthopaedic Transactions, Vol. 9, No. 3, p. 529, 1985.
 48. Centrode Patterns of the Lumbar Spine. Baseline Studies in Normal Subjects. Ogston, N., King, G.J., Gertzbein, S.D., Tile, M., Rubenstein, J.D. and Kapasouri, A., Orthopaedic Transactions, Vol. 9, No. 3, p. 560, 1985.
 49. Intra-Operative Evoked Potentials Recorded Directly from Cauda Equina and Spinal Cord in a Man with Tethered Cord Syndrome. Houlden, D., Tator, C., Rowed, D., Schwartz, M., Fazl, M. and Gertzbein, S.D., First Annual Meeting, American Academy of Clinical Neurophysiology, June 4-8, 1986.
 50. The Neurological Outcome Following Surgery for Spinal Fractures. Gertzbein, S.D., Jacobs, R.R., Court-Brown, C.M., Marks, P., Martin, C. and Deane, R. JBJS, 69B, p. 511, 1987.
 51. The Halo Vest in Cervical Spine Trauma. Gertzbein, S.D., Syllabus, Spine Course, Operative Stabilization of the Spine, December 14-19, 1986.

52. The Radiology of Spinal Trauma. Gertzbein, S.D., Syllabus, Spine Course, Operative Stabilization of the Spine, December 14-19, 1986.
53. Posterior Fixation for Thoracolumbar Injuries. Gertzbein, S.D., Syllabus, Spine Course, Operative Stabilization of the Spine, December 14-19, 1986.
54. Results of a Locking Hook Spinal Rod System for Fractures of the Thoracic and Lumbar Spine. Gertzbein, S.D., Stoll, J.E. and Jacobs, R.R., Journal of Bone and Joint Surgery, Vol. 68B, No. 5, p. 853, 1986.
55. Neurological Outcome following Surgery for Spinal Fractures. Gertzbein, S.D., Jacobs, R.R., Marks, P., Martin, C., Rowed, D., Schwartz, M., Fazl, M., Orthopaedic Transactions International Society for Study of the Lumbar Spine, Rome, Italy, 1987, Vol. 12, No. 1, p. 60, 1988.
56. A Technique of Decompression and Circumferential Stabilization of Grossly Unstable Lumbar Fractures. S.D. Gertzbein, C.M. Court-Brown, R.R. Jacobs, P. Marks, C. Martin, Orthopaedic Transactions, International Society for Study of the Lumbar Spine, Rome, Italy, 1987, Vol. 12, No. 1, p. 102, 1988.
57. Anterior versus Posterior Surgery Indications for Decompression and Fusion in the Cervical Spine. Current Trends Lecture. Gertzbein, S.D., Transactions of the Societe Internationale Chirurgie Orthopedique et de Traumatologie, 17th Royal Congress, Munich, 1987.
58. The Rationale for Management of Flexion/Distracton Injuries of the Thoracolumbar Spine based on a New Classification. Gertzbein, S.D., Court-Brown, C.M., Orthopaedic Transactions, Vol. 12, No. 2, p. 230, 1988.
59. Neurological Outcome following Surgery for Spinal Fractures. Gertzbein, S.D., Jacobs, R.R., Marks, P., Martin, C., Rowed, D., Schwartz, M., Fazl, M., Transactions of the Orthopaedic Trauma Association, Baltimore, Maryland, 1987.
60. The Diagnosis of Segmental Instability in Vivo by Centrode Lengths. Gertzbein, S.D., Ogston, N., King, G. and Weiler, P., Transactions of the International Society for Study of the Lumbar Spine, pp. 7, Miami, Florida, 1988.
61. Neurological Outcome Following Surgery for Spinal Fractures. Gertzbein, S.D., Court-Brown, C.M., Jacobs, R.R., Marks, P., Martin, C., Orthopaedic Transactions, Vol. 12, No. 1, p. 60, 1988.
62. A Technique of Decompression and Circumferential Stabilization of Grossly Unstable Lumbar Fractures. Gertzbein, S.D., Court-Brown, C.M., Jacobs, R.R., Marks, P., Martin, C., in Orthopaedic Transactions, Vol. 12, No. 1, p. 102, 1988.

63. The Diagnosis of Segmental Instability in Vivo by Centrode Length. S.D. Gertzbein, Orthopaedic Transactions, Vol. 12, No. 3, p. 602-603, 1989.
64. The Neurological Outcome Following Surgery for Spinal Fractures. S.D. Gertzbein, C.M. Court-Brown, R.R. Jacobs, P. Marks, C. Martin, Orthopaedic Trauma Association, in Orthopaedic Transactions, Vol. 13, No. 1, p. 49, 1989.
65. Accuracy of Pedicle Screw Placement in Vivo. S. Robbins, S.D. Gertzbein, Scoliosis Research Society, in Orthopaedic Transactions, Vol. 13, No. 1, p. 112 1989.
66. Accuracy of Pedicle Screw Placement in Vivo. S. Robbins, S.D. Gertzbein, Orthopaedic Trauma Association, in Orthopaedic Transactions, Vol. 13, No. 3, p. 752.
67. Preliminary Results of the AO Internal Fixator for Spinal Fractures. S.D. Gertzbein, S. Robbins, M. Schwartz, D. Chow, M. Fazl, D. Rowed. Orthopaedic Trauma Association, in Vol. 13, No. 3, p. 752, 1989.
68. Accuracy of Pedicle Screw Placement in Vivo, S.D. Gertzbein, S. Robbins, Orthopaedic Transactions, Vol. 14, No. 1, p. 38, 1990.
69. A New Classification of Spinal Fractures. F. Magerl, J. Harms, S.D. Gertzbein, M. Aebi and S. Nazarian. Transactions of the SICOT Meeting, Montreal, Canada, Sept. 9-14, p. 22, 1990.
70. Preliminary Results of the AO Internal Fixator for Spinal Fractures. S.D. Gertzbein, S.E. Robbins, D. Chow, D. Rowed, M. Schwartz, M. Fazl. Transactions of the SICOT Meeting, Montreal, Canada, Sept. 9-14, p. 123, 1990.
71. Spinal Clearance in Burst Fractures Using the AO Internal Fixator. S.D. Gertzbein, and P. Crowe. Transactions of the SICOT Meeting, Montreal, Canada, Sept. 9-14, p. 544, 1990.
73. Preliminary Report on the use of the Kaneda Device for Anterior Stabilization of Spinal Fractures. S.D. Gertzbein and P. Crowe. Transactions of the SICOT Meeting, Montreal, Canada, Sept. 9-14, p. 545, 1990.
74. Spinal Canal Clearance in Burst Fractures Using the AO Internal Fixator. P. Crowe and S.D. Gertzbein. Orthopaedic Transactions, Vol. 14, No. 2, p. 264, and No. 3, p. 777, 1990 and Vol. 15, No. 1, p. 246, 1991.
75. Wedge Osteotomy for the Correction of Post-traumatic Kyphosis. M.B. Harris and S.D. Gertzbein. Orthopaedic Transactions, Vol. 15, No. 1, p. 250, 1991.

76. Spinal Canal Clearance in Burst Fractures Using the AO Internal Fixator. P. Crowe and S.D. Gertzbein. Orthopaedic Transactions, Vol. 15, No. 2, p. 318, 1991.
77. A New Classification of Spinal Fractures. S.D. Gertzbein, F. Magerl, J. Harms, S. Nazarian, F. Aebi. Orthopaedic Transactions, Vol. 15, No. 3, pp. 728-29, 1991.
78. A New Classification of Spinal Fractures. S.D. Gertzbein, F. Magerl, J. Harms, S. Nazarian, F. Aebi. Orthopaedic Transactions, Vol. 16, No. 1, pp. 151-152, 1992.
79. Management of Low Lumbar (L4 & L5) Burst Fractures. S.J. Triantafyllou, S.D. Gertzbein. Orthopaedic Proceedings, The Journal of Bone and Joint Surgery, Vol. 74B, p. 255, 1992.
80. Management of Low Lumbar (L4 & L5) Burst Fractures. S.J. Triantafyllou, S.D. Gertzbein. Orthopaedic Transactions. Vol. 17:1, p. 70, 1993.
81. Management of Low Lumbar (L4 & L5) Burst Fractures. S.J. Triantafyllou, S.D. Gertzbein. Orthopaedic Transactions. Vol. 17:1, p. 121, 1993.
82. Iliac Crest Reconstruction After Tricortical Bone Graft Harvesting. Mitchell Harris, James Dickey and S.D. Gertzbein. Orthopaedic Transactions, Vol. 17:2, p. 388, 1993.
83. Burst Fractures of the Thoracolumbar and Lumbar Spine. Mitchell Harris, James Dickey and S.D. Gertzbein. Orthopaedic Transactions, Vol. 17:2, p. 344, 1993.
84. Management of Low Lumbar (L4 & L5) Burst Fractures. S.J. Triantafyllou and S.D. Gertzbein. Orthopaedic Transactions. Vol. 17:4, pp. 1080-81, 1993.
85. Iliac Crest Reconstruction: The Resected Rib Revisited. M.B. Harris and S.D. Gertzbein. Orthopaedic Transactions. Vol. 17:4, p. 1226, 1993.
86. Management of Low Lumbar (L4 & L5) Burst Fractures. S.J. Triantafyllou and S.D. Gertzbein. Orthopaedic Transactions. Vol. 18:1, p. 288, 1994.
87. A Semi-Rigid Instrumentation and Circumferential Fusion in the Treatment of Lumbar Spinal Conditions: A multi-center study. S.D. Gertzbein, R.R. Betz, T. Errico, J.W. Hammerberg, S. Robbins, E. Shepherd, A. Weber, L. Lenke, J. Albin, D. Wolk, K. Ensor, M. Kerina. Orthopaedic Transactions. Vol. 19, 3, pg. 633, 1995-96.

VISITING PROFESSORSHIPS

- 1) Symposium on Surgery in Rheumatoid Arthritis with Lectures on Principles of Surgery, the Hip Joint and the Spine. Central University, Quito, Ecuador. November 5-7, 1979.
- 2) Panel Discussion: Low Back Pain. Presented at a Symposium on Industrial health sponsored by the South Porcupine Medical Association and Northern College, Timmins, Ontario, April 25, 1980.
- 3) Lectures: The Diagnosis and Management of Spinal Conditions. Central University, Quito, Ecuador. November 10-14, 1986.
- 4) The Management of Thoracic and Lumbar Fractures. Hokkaido University, Sapporo, Japan, May 16, 1987.
- 5) Lectures on Fractures of the Thoracic and Lumbar Spine and Instability of the Lumbar Spine. University of Syracuse, Syracuse, New York, December 8 & 9, 1987.
- 6) Current Management of Thoracic and Lumbar Fractures, Department of Orthopaedics, University of Miami, Florida. January 28, 1988.
- 7) The Management of Fractures of the Thoracic and Lumbar Spine. Chinese University of Hong Kong, Hong Kong. May 19, 1988.
- 8) Current Management of Thoracolumbar Fractures. Section of Orthopaedics, Dartmouth College, Hanover, New Hampshire. March 10, 1989.
- 9) Pedicle Screw Fixation in Thoracolumbar Fractures. Ottawa Civic Hospital, University of Ottawa. April 22, 1989.
- 10) Treatment of Thoracolumbar Fractures using Pedicle Screw Fixation. Siriraj Hospital, Mahidol University, Bangkok, Thailand. May 22, 1989.
- 11) A New Classification for Thoracolumbar Fractures. Schulthess Clinic, Zurich, Switzerland, November 10, 1989.
- 12) Guest Lecturer - Association of German Spinal Surgeons, Karlsbad, Germany. January 19, 1990.
- 13) Rae R. Jacobs - Guest Lecturer, Kansas, City, Kansas, March 9, 1990, and March 10, 1990.
- 14) Classification and Management of Fractures of the Thoracic and Lumbar Spine, Dokkyo University. Tokyo, Japan. November 9, 1992.
- 15) A New Classification of Thoracic and Lumbar Fractures and Their Management.

Hokkaido University. Sapporo, Japan, 1992.

- 16) A New Classification of Thoracic and Lumbar Fractures. University of Southern California. Los Angeles, California, 1998.
- 17) Post Traumatic Kyphosis Following Burst Fractures. The Italian Hospital, Buenos Aires, Argentina, February 2004.
- 18) Thoracolumbar Fractures, Grand Rounds, Dept. of Orthopedics, University of Colorado, Denver Colorado, Sept. 2007
- 19) Classification of Thoracolumbar Fractures Grand Rounds, Distinguished Lecture Series, University of Texas Medical Branch Galveston Texas Nov. 12, 2008

GUEST LECTURESHIPS

1980

- April 25 Low Back Pain. The South Porcupine Medical Association and Northern College, Timmins, Ontario.
- May 28 The Antigenicity of Chondrocytes as Determined by Mixed Lymphocytes-Chondrocytes Cultures. Cartilage Club. At the American Rheumatology Association Meeting, Atlanta, Georgia.
- Oct. 20 The Antigenicity of the Intervertebral Disc. Symposium on Osteoarthritis, Palm Aire, Pompano Beach, Florida.

1981

- May 20 Spinal Fractures: Classification and Management. Lyndhurst Hospital Staff, Lyndhurst Hospital.
- Sept. 22 Pathogenesis, Diagnosis and Management of Degenerative Disc Disease. To the Kirkland Lake Medical Group, Kirkland Lake, Ontario.
- Orthopaedic Management of Multiple Trauma. To the Kirkland Lake Medical Group, Kirkland Lake, Ontario.
- Classification and Management of Spinal Injuries. To the Kirkland Lake Medical Group, Kirkland Lake, Ontario.
- Nov. 6 The Conservative Treatment of Odontoid Fractures by a Halo Vest. Ekong, C., Tator, C., Rowed, D., Schwartz, M.L., Edmonds, V.,

Gertzbein, S.D. The Ontario Orthopaedic Association, 4th Annual Meeting. Academy of Medicine, Toronto, Ontario.

1982

Sept. 18

A Locking Hook Spinal Rod: A Preliminary Clinical Report on its Use in 30 Thoracolumbar Spinal Injuries. Jacobs, R.R., Gertzbein, S.D. and Nordwall, A. 2nd International Symposium on Internal Fixation of Fractures, Lyon, France.

1983

April 7

Centrode Patterns and Instability of the Lumbar Spine (Symposium), Gertzbein, S.D., Tile, M., Chan, K.H., Holtby, R., Seligman, J.V. and Kapasouri, A. International Society for the Study of the Lumbar Spine, Cambridge, England.

Oct. 21

New Methods of Spinal Column Fixation. Fourth Annual Clinical Day, Sunnybrook Medical Centre.

1984

June 19

Surgical Treatment of Spine Injury. Gertzbein, S.D. Second International Conference on Rehabilitation Engineering. June 17-22, 1984, Ottawa, Canada.

1985

Nov. 21

Prediction of Lumbar Spinal Segment Instability by Centrode Patterns. Gertzbein, S.D., Tile, M., Seligman, J.V., Kapasouri, A., Ogston N., Chan, K.H., King, G.J., Holtby, R. and Rubenstein, J.D. Workmen's Compensation Board, Toronto, Canada.

1987

Aug. 16

Anterior versus Posterior Surgery, Indications for Decompression and Fusion in the Cervical Spine. Current Trends Lecture. Societe Internationale de Chirurgie Orthopedique et de Traumatologie. 17th World Congress, Munich, Germany.

Sept. 10

The Pathogenesis of Low Back Pain - Back Pain Symposium, Columbia Hospital, University of Milwaukee, Milwaukee, Wisconsin.

Surgical Treatment of Common Causes of Low Back Pain, Back Pain Symposium, Columbia Hospital, University of Milwaukee, Milwaukee, Wisconsin.

The Economics of Low Back Pain. Columbia Hospital, University of Milwaukee, Milwaukee, Wisconsin.

- Nov. 11 Scoliosis. The Order of the Eastern Star. Port Hope, Ontario.
- Nov. 13 Anatomy of the Skeleton and Fractures, Denlow Public School, Toronto, Ontario.
- 1988**
- Sept. 28 Thoracic and Lumbar Spine Fractures. Anatomy and Management, Canadian Bar Association of Ontario Health Law Section. Sunnybrook Medical Centre.
- 1989**
- Sept. 16 Preliminary Results of the Kaneda Device for Anterior Stabilization of the Spine. Kaneda Symposium, Amsterdam, The Netherlands.
- 1990**
- Jan. 19 Classification of Thoracic and Lumbar Fractures. Association of German Spinal Surgeons, Karlsbad, Germany.
- Indications for Anterior and Posterior Surgery for Thoracic and Lumbar Fractures. Association of German Surgeons, Karlsbad, Germany.
- 1998**
- Sept. 11 Comprehensive Classification of Thoracolumbar Fractures. 18th Annual Oscar Miller Day Symposium on Spine Trauma. Charlotte, N.C.
- Anterior Treatment of Thoracolumbar Fractures. 18th Annual Oscar Miller Day Symposium on Spine Trauma. Charlotte, N.C.
- 2003**
- June 6 Guest Lecture Annual Argentine Spine Society Meeting. Classification of Thoracolumbar Fractures. Argentina Spine Society, Buenos Aires, Argentina.
- Guest Lecture Annual Argentine Spine Society Meeting. Analysis of Sagittal Plain Instability of the Lumbar Spine In vivo. Argentina Spine Society, Buenos Aires, Argentina.
- June 7 Guest Lecture Annual Argentine Spine Society Meeting. Management of Thoracolumbar Fractures. Argentina Spine Society, Buenos Aires, Argentina.
- Guest Lecture Annual Argentine Spine Society Meeting. Analysis of Circumferential Lumbar Fusion Outcome in the Treatment of Degenerative Disc Disease of the Lumbar Spine. Argentina Spine Society.

2004

January 8 Osteoporosis of the Spine: A Review and Recent Developments.
Given Institute, Aspen, Colorado.

2007

February 22 The Herniated Disc - The Given Institute Lecture Series Aspen,
Colorado

April 5 The Aging Spine & Degenerative Disc Disease - The Given
Institute Lecture Series Aspen, Colorado

June 4 Spinal Stenosis The Given Institute Lecture Series - Aspen,
Colorado

PRESENTATIONS AND SPECIAL LECTURES

1974

February 14 Auto-Immune Aspects in Orthopaedic Surgery,
Research Seminar, Sunnybrook Medical Centre.

June 22 An Experimental Investigation of the Immuno-logical Aspects of
Degenerative Disc Disease of the Lumbar Spine.
Gertzbein, S.D., Tile, M., Gross, A. and Falk, R. International
Society for Disease of the Lumbar Spine. Montreal.

June 26 An Experimental Investigation of the Immuno-logical Aspects of
Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D.,
Tile, M., Gross, A. and Falk, R. Canadian Orthopaedic Association,
St. John's, Newfoundland.

December 4* The Antigenicity of Chondrocytes, Sunnybrook Research Society.

1975

May 13* Patellar Meniscus: A New Entity Causing Mechanical
Derangement. InterHospital Rheumatology Rounds, Sunnybrook
Medical Centre.

May 27 The Medial Shelf: A Patellar Meniscus. Gertzbein, S.D. and
Galway, R. Canadian Orthopaedic Association Meeting, Ottawa.

1976

March 14 The Stimulation of Lymphocytes by Nucleus Pulposus in
Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D.,
Tait, H., Devlin, R. Degenerative Disc Disease of the Lumbar

Spine. Gertzbein, S.D., Tait, H., Devlin, R. Canadian Orthopaedic Research Society, Montreal.

May 18* The Stimulation of Lymphocytes by Nucleus Pulposus in Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D., Tait, H., Devlin, R. The ABC Travelling Fellows Meeting.

June 23 The Stimulation of Lymphocytes by Nucleus Pulposus in Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D., Tait, H., Devlin, R. International Society for Diseases of the Lumbar Spine, Bermuda.

October 14* Immunological Implications of Degenerative Disc Disease to the British Rheumatology Surgeons Association, Sunnybrook Medical Centre.

1977

February 3 The Stimulation of Lymphocytes by Nucleus Pulposus in Degenerative Disc Disease of the Lumbar Spine. Gertzbein, S.D., Tait, H., Devlin, R. The American Academy, Orthopaedic Research Society, Las Vegas.

February 5 The Antigenicity of Chondrocytes. Gertzbein, S.D. Tait, H., Devlin, R., Argue, S. The American Academy, Orthopaedic Research Society, Las Vegas.

June 12 The Antigenicity of Chondrocytes. Gertzbein, S.D. Tait, H., Devlin, R., Argue, S. and Goldfarb, P. The Canadian Orthopaedic Research Society, Toronto.

June 23* Occult Injuries of the Pelvis. Gertzbein, S.D. and Goldfarb, P. To Visiting Swiss and French Fellows, Sunnybrook Medical Centre.

1978

January 12* Occult Injuries of the Pelvis. An Experimental and Clinical Assessment. Gertzbein, S.D. and Goldfarb, P. Toronto Academy of Medicine.

March 7* An Unusual Spinal Fracture. Gertzbein, S.D. To Visiting Professors, Fracture Course, Toronto East General and Orthopaedic Hospital.

September 22* Altered Lymphocyte Response in Adjuvant- Induced Arthritis. Gertzbein, S.D., deDemeter, D., Goldfarb, P., Kapasouri, A. and Argue, S., Sunnybrook Research Group, Sunnybrook Medical Centre.

September 29* Altered Lymphocyte Response in Adjuvant- Induced Arthritis. Gertzbein, S.D., deDemeter, D., Goldfarb, P., Kapasouri, A. and Argue, S., Toronto Academy of Medicine, Section of Orthopaedics.

1979

- January 24* Classification and Management of Spinal Fractures. To the Toronto Orthopaedic Nurses Association, Sunnybrook Medical Centre.
- February 8 The Elaboration of a Suppressor Factor in Rat-Mixed Lymphocyte-Chondrocyte Cultures. Gertzbein, S.D., Goldfarb, P., deDemeter, D., Argue, S. and Kapasouri, A. Annals, Royal College of Physicians and Surgeons Meeting, Montreal, Quebec.
- February 20-22 The Effect of Adjuvant-Induced Arthritis on Lymphocyte Response. Gertzbein, S.D., Goldfarb, P., deDemeter, D., Argue, S. and Kapasouri, A. The Orthopaedic Research Society, San Francisco, California.
- February 24 Diagnosis of Occult Skeletal Injuries (Fractures and Dislocations). The Canadian and American Medical and Dental Association Meeting, Vail, Colorado.
- March 20* The Stabilization of Spinal Fractures. To Neurosurgical Staff, Sunnybrook Medical Centre.
- March 28* The Elaboration of a Suppressor Factor in Mixed Lymphocyte-Chondrocyte Cultures. Research Seminar, Sunnybrook Medical Centre.
- May 1* The Immune Response in Degenerative Disc Disease of the Lumbar Spine. Presented to Professor Henry Mankin, Visiting Kennedy Professor, Sunnybrook Medical Centre.
- May 28* Spinal Injuries - Two Interesting Cases Presented to the French-Belgium Traveling Fellows.
- June 10 Altered Lymphocyte Response in Adjuvant-Induced Arthritis. Gertzbein, S.D., Goldfarb, P., deDemeter, D., Cruickshank, B and Kapasouri, A. At the Canadian Orthopaedic Research Society.
- August 24* Low Back Pain: Clinical Features and Management. To the Emergency Staff, Sunnybrook Medical Centre.
- November 5-7* Lectures (5): Surgical Management of Rheumatoid Arthritis.

1980

- January 9* Spine Stability. At University Rounds, Acute Spinal Injuries.
- January 23* Multiple Fractures, Life-Threatening Implications. Medical Groups -

Parry Sound and Huntsville, Parry Sound, Ontario.

- February 15* Joint Arthroplasty: Indications, Classification and Complications.
Department of Radiology. Sunnybrook Medical Centre.
- April 25* The Pathogenesis, Diagnosis and Management of Low Back Pain.
Presented at a Symposium on Industrial Health. Sponsored by the
South Porcupine Medical Association and Northern College of
Timmins, Ontario.
- April 29* (1) Femoral Nerve Neuropathy in Non-Hemophilia Patients
(2) A Case of Spinal Deformity
(3) Problems with Harrington Instrumentation Presented to the
Kennedy Visiting Professor (Dr. John E. Hall), Sunnybrook Medical
Centre.
- May 22* Problems Associated with Harrington
Instrumentation for Spinal Fractures. To
the ABC Traveling Fellows, Sunnybrook
Medical Centre.
- May 22* The Conservative Management of Spinal
Fractures. To the ABC Traveling Fellows,
Sunnybrook Medical Centre.
- May 24 Problems Associated with Harrington
Instrumentation of the Spinal Fractures.
International Society for Study of
the Lumbar Spine, New Orleans, Louisiana.
Gertzbein, S.D., Macmichael, D. and Tile, M.
- May 28* The Antigenicity of Chondrocytes as
Determined by Mixed Lymphocyte-
Chondrocyte Cultures. Cartilage Club.
At the American Rheumatism Association
Meeting, Atlanta, Georgia.
- June 9 Enhancement of Diminished Lymphocyte
Response in Adjuvant-Induced Arthritis.
Gertzbein, S.D., Baron, M. and Kapasouri, Canadian
Orthopaedic Research Society, Calgary, Alberta.
-
- June 12 Problems Associated with Harrington
Instrumentation of the Spinal Fractures.
Gertzbein, S.D., Macmichael, D. and Tile,

	M. Canadian Orthopaedic Association, Calgary, Alberta.
September 3*	Scoliosis: Diagnosis and Treatment. Lecture Sioux Lookout. (Telemedicine Communication). Sunnybrook Medical Centre.
September 26*	The Role of Spinal Injuries Unit at Sunnybrook Medical Centre. To lawyers representing the Medical Legal Society. Sunnybrook Medical Centre.
October 20-22*	The Antigenicity of the Intervertebral Disc. Symposium on Osteoarthritis. Palm Aire, Pompano Beach, Florida.
October 22*	The Role of Chondrocytes in Eliciting the Immune Response. Symposium on Osteoarthritis. Palm Aire, Pompano, Beach, Florida.
November 6, 7*	Traffic-Related Injuries and Seatbelts. Workshop on Early Management of Acute Cervical Spinal Cord Injury. Sunnybrook Medical Centre.
November 6, 7*	Assessment of Cervical Spinal Stability. Workshop on Early Management of Acute Cervical Spinal Cord Injury. Sunnybrook Medical Centre.
November 6, 7*	Ankylosing Spondylitis and Cervical Cord Injury. Workshop on Early Management of Acute Cervical Spinal Cord Injury. Sunnybrook Medical Centre.
November 11*	Fracture of the Lumbar Spine in Ankylosing Spondylitis: A Case Report. To Visiting Speakers, Rehabilitation Symposium. The Wellesley Hospital, University of Toronto.
<u>1981</u>	
March 21*	Instability of the Cervical Spine following Trauma. Emergency Department Seminar. Sunnybrook Medical Centre.
May 13*	Moire Pattern and the Locus of Centres of Rotation of the Lumbar Disc. Sunnybrook Research Seminar Group, Sunnybrook Medical Centre.

May 20*	Spinal Fractures: Classification and Management. Lyndhurst Hospital Staff, Lyndhurst Hospital.
June 7	A New Technique for Determination of the Centre of Rotation of the Lumbar Spine. <u>Gertzbein, S.D.</u> , Chan, K.W. and Tile, M. The Canadian Orthopaedic Research Society. Halifax, Nova Scotia.
June 24*	Fractures of the Ankle: Classification and Treatment. Telemedicine Lecture. Sault Ste. Marie. Sunnybrook Medical Centre.
July 17*	Fractures of the Ankle: Classification and Management, Sunnybrook Emergency Staff. Sunnybrook Medical Centre.
September 22*	Pathogenesis, Diagnosis and Management of Degenerative Disc Disease. To the Kirkland Lake Medical Group, Kirkland Lake, Ontario.
September 22*	Classification and Management of Spinal Injuries. To the Kirkland Lake Medical Group. Kirkland Lake, Ontario.
November 6	The Conservative Treatment of Odontoid Fractures by a Halo Vest. Ekong, C. Tator, C., Rowed, D., Schwartz, M.L., Edmonds, V., <u>Gertzbein, S.D.</u> The Ontario Orthopaedic Association, 4 th Annual Meeting. Academy of Medicine, Toronto.
December 8*	Seatbelt Injuries. At the Interhospital Psychiatry Rounds, Lyndhurst Hospital.
<u>1982</u>	
January 19-21	Determination of the Locus of Centers of Rotation of the Lumbar Disc by Moire Fringes: A New Technique. <u>Gertzbein, S.D.</u> , Chan, K.H., Holtby, R. and Tile, M. Orthopaedic Research Society, New Orleans, Louisiana.
February 9*	Research, Sunnybrook Medical Centre. To The Sunnybrook Institute.
February 15*	Avoidance of Injuries while Training for a Race. Run for Research, Sunnybrook Medical Centre.
May 12*	The Effect of Ligament Strain on Bone Turnover. To Sunnybrook Research Seminar Group, Sunnybrook Medical Centre.

May 30		Radiographic Assessment of Harrington Rod Instrumentation for Spinal Fractures. Rubenstein, J.D. and <u>Gertzbein, S.D.</u> Canadian Association of Radiologists, Winnipeg, Manitoba.
June 7		A Locking Hook Spinal Rod: A Preliminary Clinical Report on its Use in 30 Thoracolumbar Spinal Injuries. Jacobs, R.R., <u>Gertzbein, S.D.</u> and Nordwall, A. The International Society for the Study of the Lumbar Spine. Toronto.
June 7		Determination of the Locus of Centres of Rotation of the Lumbar Disc by Moire Fringes: A New Technique. <u>Gertzbein, S.D.</u> , Tile, M., Holtby, R., Chan, K.W. and Kapasouri, A. The International Society for the Study of the Lumbar Spine, Toronto.
June 11	-	A New Technique for Macro-Autoradiography of Bone. <u>Gertzbein, S.D.</u> , Kapasouri, A., Cruickshank, B., Vanderby, B., Gentles, W. The 16 th Annual Canadian Orthopaedic Research Society, Kingston, Ontario. (Poster Session)
June 12		The Effect of Ligament Strain on Bone Turnover. <u>Gertzbein, S.D.</u> , Kapasouri, A., Cruickshank, B., Vanderby, B., Gentles, W. The 16 th Annual Meeting of the Canadian Orthopaedic Research Society, Kingston, Ontario.
June 13		Determination of the Locus of Centres of Rotation of the Lumbar Disc by Moire Fringes: <u>Gertzbein, S.D.</u> , Holtby, R., Tile, M., Kapasouri, A. and Chan, K.W. The 16 th annual Meeting of the Canadian Orthopaedic Research Society, Kingston, Ontario.
June 16*		A New Fixation Device for the Management of Spinal Fractures. <u>Gertzbein, S.D.</u> Spinal Cord Injuries Rounds,
June 30*		The Effect of Ligament Strain on Bone Turnover. Orthopaedic Grand Rounds, Sunnybrook Medical Centre.
September 18		A Locking Hook Spinal Rod: A Preliminary Clinical Report on its Use in 30 Thoracolumbar Spinal Injuries. Jacobs, R.R., <u>Gertzbein, S.D.</u> and Nordwall, A. 2 nd International Symposium on Internal Fixation of Fractures, Lyon, France.

- September 23 A Locking Hook Spinal Rod: Current Status of Development. Jacobs, R.R., Dahners, L.E., Gertzbein, S.D. Nordwall, and Mathys, R. 17th Annual Scoliosis Research Society Meeting, Denver, Colorado.
- November 12* Spinal Injury: Orthopaedic Aspects. Inter-City Surgical Rounds, The Wellesley Hospital.
- 1983**
- January 29* Determination of Spinal Segment Instability by the Use of Moire Screens. Sunnybrook Orthopaedic Association, Toronto.
- March 17* Centrode Patterns in Degenerative Disc Disease. Orthopaedic Section, Toronto Academy of Medicine.
- April 7 Centrode Patterns and Instability of the Lumbar Spine (Symposium), International Society of the Study of the Lumbar Spine. Cambridge, England. Gertzbein, S.D., Tile, M., Chan, K.H., Holtby, R., Seligman, J.V. and Kapasouri, A.
- April 26* Centrode Patterns and Instability of the Lumbar Spine to the Kennedy Visiting Professor, Sunnybrook Medical Centre, Toronto. Gertzbein, S.D., Tile, M., Chan, K.H., Holtby, R., Seligman, J.V., Kapasouri, A.
- Centrode Patterns in Degenerative Disc Disease. Sunnybrook Medical Centre Research Seminar.
- July 1*- Emergency and Early Management of Spinal Injuries, Scientific Assembly of Emergency Medicine, Harbour Castle Hilton Hotel, Toronto.
- October 15* Computer Analysis of Spinal Segment Motion in Degenerative Disc Disease with and without Axial Loading. Orthopaedic Research Day, Mount Sinai Hospital. Gertzbein, S.D., Seligman, J.V., Tile, M., Kapasouri, A.
- October 21* New Methods of Spinal Column Fixation. Fourth Annual Clinical Day, Sunnybrook Medical Centre.
- October 26* Recent Advances in Spinal Instrumentation. Grand Surgical Rounds, Sunnybrook Medical Centre.

February 18

March 8*

March 9

April 12*

May 31*

June 1*

June 7

June 11

June 19*

50

- Conference on Rehabilitation Engineering.
June 17-22, 1984, Ottawa, Canada.
- October 26* Stabilization of the Spinal Column.
Gertzbein, S.D. Trauma '84, International Symposium.
Faculty of Medicine, University of Toronto, Sheraton
Centre, Toronto
- November 2* Pre-Operative Assessment of Spinal Fractures. Ontario
Orthopaedic Association, Academy of Medicine, Toronto.
- November 2* Thoracic and Lumbar Fractures: Posterior Approach.
Ontario Orthopaedic Association. Academy of Medicine,
- December 1* Centrode Patterns of the Lumbar Spine:
Baseline Studies in Normal Subjects.
Ogston, N.G., King, G.J., Gertzbein, S.D.,
Tile, M., Kapasouri, A. Orthopaedic Research Day,
Toronto General Hospital, Toronto.
- 1985**
- January 23* Current Management of Vertebral Fractures.
Gertzbein, S.D. American College of Spinal Surgeons, 1st
Annual Meeting, January 23-24, Las Vegas, Nevada.
- January 29* Instructional Course on Spondylosis and
Spondylolisthesis No. 519. American Academy of
Orthopaedic Surgeons. Las Vegas, Nevada.
- February 20* Is Thoracic Facetectomy Necessary in
Adult Idiopathic Scoliosis? Presented to Austrian, Swiss
and German Fellows, Sunnybrook Medical Centre.
- March 2* Results of Locking Hook Rods in the Treatment of Spinal
Fractures. Gertzbein, S.D., Stoll, J.E., and Jacobs, R.R.
Sunnybrook Club. Mont St. Anne, Quebec.
- The Importance of Thoracic Facetectomy in the Surgical
Treatment of Adult Scoliosis. Court-Brown, C.M. and
Gertzbein, S.D. Sunnybrook Club. Mont St. Anne,
Quebec.
- April 15 Centrode Patterns of the Lumbar Spine: Baseline Studies
in Normal Subjects. Gertzbein, S.D., Ogston, N., King, G.,
Kapasouri, A., Tile, M. and Rubenstein, J. International

Society for Study of the Lumbar Spine. Sydney, Australia.

- April 19 Results of a Locking Hook Spinal Rod System for Fractures of the Thoracic and Lumbar Spine. Gertzbein, S.D., Stoll, J.E., Jacobs, R.R. International Society for Study of the Lumbar Spine. Sydney, Australia.
- May 24* Spinal Stenosis. Telemedicine of Ontario. Sunnybrook Medical Centre.
- June 5 Results of a Locking Hook Spinal Rod System for Fractures of the Thoracic and Lumbar Spine. Gertzbein, S.D., Stoll, J.E., Jacobs, R.R. Canadian Orthopaedic Association Meeting, Hamilton, Ontario.
- October 7* Prediction of Lumbar Spinal Segment Instability by Centrode Patterns. Gertzbein, S.D., Tile, M., Seligman, J.D., Kapasouri, A., Ogston, N., Chan, K.H., King, G.J., Holtby, R. and Rubenstein, J.D. Conference on Back Pain. Sponsored by NATO, Naples, Italy.
- October 25* - Radiologic Evaluation of Spine Trauma. The Spine: Advanced Concepts and Techniques. The Spine Study Group, San Diego, California.
- October 25* - Adult Scoliosis. The Spine: Advanced Concepts and Techniques. The Spine Study Group, San Diego, California.
- November 21* Prediction of Lumbar Spinal Segment Instability by Centrode Patterns. Gertzbein, S.D., Tile, M., Seligman, J.V., Kapasouri, A., Ogston, N., Chan, K.H., King, G.J., Holtby, R., Rubenstein, J.D. Workers' Compensation Board Hospital.
- November 22* The Use of a Locking Hook Rod for Unstable Spinal Fractures. Gertzbein, S.D. Canadian Paraplegic Association, Toronto.

1986

- February 3* Vertebral Column - Concepts of Stability and Classification. Gertzbein, S.D. A-O Spine Course, Sunnybrook Medical Centre, Toronto.
- February 3* Current Trends in Posterior Fixation. Gertzbein, S.D. A-O Spine Course, Sunnybrook Medical Centre, Toronto.
- February 5* Chance Fractures: Classification, Pathogenesis and Treatment. Gertzbein, S.D., Court-Brown, C.M. Sunnybrook Orthopaedic Club, Collingwood, Ontario.
- May 8* Flexion/Distractioin Injuries-Mechanism of Injury and Classification: New Horizons in Spinal Surgery. 13th Annual Applied Basic Science Course, Ottawa, Ontario.
- June 2-5 Neurological Outcome following Surgery for Spinal Fractures. Gertzbein, S.D., Jacobs, R.R., Court-Brown, C.M., Marks, P., Martin, C., Deane, R. Canadian Orthopaedic Association.
- June 4-8 Intra-Operative Evoked Potentials Recorded Directly from Cauda Equina and Spinal Cord in a Man with Tethered Cord Syndrome. Houlden, D., Tator, C., Rowed, D., Schwartz, M., Fazl, M. and Gertzbein, S.D. First Annual Meeting
- September 19* Spinal Injury: Classification – Gertzbein, S.D., St. John's Newfoundland.
- Stabilization Techniques for Thoracolumbar Spine Trauma. Gertzbein, S.D., St. John's, Newfoundland.
- September 26 Intra-Operative Evoked Potentials Recorded Directly from Cauda Equina and Spinal Cord in a Man with Tethered Cord Syndrome. Houlden, D., Tator, C., Rowed, D., Schwartz, M., Fazl, M. and Gertzbein, S.D. AAEE Annual Meeting, Boston, MA., USA.
- October 31 The Rationale for Management of Flexion/Distractioin Injuries of the Thoracolumbar Spine Based on a New Classification. Gertzbein, S.D. and Court-Brown, C.M.

	Ontario Orthopaedic Association Annual Meeting.
November 10-14*	Mechanisms of Injury and Classification of Spinal Fractures - Course on Pathology of Spine. <u>Gertzbein, S.D.</u> Central University, Quito, Ecuador.
	Radiology of Spinal Trauma. Central University, Quito, Ecuador.
	Posterior Fixation for Thoracolumbar Fractures. <u>Gertzbein, S.D.</u> , Century University, Quito, Ecuador.
	Degenerative Spondylolisthesis. <u>Gertzbein, S.D.</u> Central University, Quito, Ecuador.
	Spinal Stenosis. <u>Gertzbein, S.D.</u> , Quito, Ecuador.
December 14-19*	The Halo Vest in Cervical Spine Trauma. <u>Gertzbein, S.D.</u> A-O Spine Course - Operative Stabilization of the Spine. Davos, Switzerland.
December 14-19*	The Radiology of Spinal Trauma. <u>Gertzbein, S.D.</u> A-O Spine Course - Operative Stabilization of the Spine. Davos, Switzerland.
December 14-19*	Posterior Fixation for Thoracolumbar Injuries. <u>Gertzbein, S.D.</u> A-O Spine Course - Operative Stabilization of the Spine. Davos, Switzerland.
<u>1987</u>	
February 9*	Spinal Fractures: Flexion/Distracton Injuries. <u>Gertzbein, S.D.</u> Presented to the Austrian, German and Swiss Traveling Fellows, Sunnybrook Medical Centre.
February 18*	A New Method for Determining the Cause of Chronic Low Back Pain. <u>Gertzbein, S.D.</u> Insurance Bureau of Canada and Affiliated Members, Sunnybrook Medical Centre.
May 11*	Spinal Internal Fixator - Visitors, Combined Meeting of the English Speaking Orthopaedic Associations Post-Washington Conference, Sunnybrook Medical Centre.
May 25	Neurological Outcome Following Surgery for Spinal

	Fractures. <u>Gertzbein, S.D.</u> , Jacobs, R.R., Marks, P., Martin, C., Rowed, D., Schwartz, M. and Fazl, F. International Society for Study of the Lumbar Spine. Rome, Italy.
June 15-17*	Differential Diagnosis of Low Back Pain, 2 nd International Congress, International Back Pain Society, Hong Kong.
June 15-17*	Segmental Instability of the Lumbar Spine, 2 nd International Congress, International Back Pain Society, Hong Kong.
June 19*	Recent Advances in the Treatment of Thoracolumbar Fractures, Chinese Academy of Traditional Chinese Medicine, Beijing, China.
June 22*	Management of Thoracolumbar Fractures, Hokkaido University, Sapporo, Japan.
June 22*	Segmental Instability of the Lumbar Spine, Hokkaido University, Sapporo, Japan.
August 16*	Anterior versus Posterior Surgery, Indications for Decompression and Fusion in the Cervical Spine. Current Trends Lecture. Societe Internationale de Chirurgie Orthopedique et de Traumatologie. 17 th World Congress, Munich.
September 10*	The Pathogenesis of Low Back Pain - Back Pain Symposium, Columbia Hospital, University of Milwaukee, Milwaukee, Wisconsin.
September 10*	Surgical Treatment of Common Causes of Low Back Pain, Back Pain Symposium, Columbia Hospital, University of Milwaukee, Milwaukee, Wisconsin.
September 10*	The Economics of Low Back Pain - Guest speaker, Columbia Hospital, University of Milwaukee, Milwaukee, Wisconsin.
September 15-19*	Rationale for Management Flexion/Distractor Injuries of the Thoracolumbar Spine based on a New Classification. <u>Gertzbein, S.D.</u> and Court-Brown, C.M., Scoliosis Research Society, Vancouver, B.C., Canada.
October 1*	Neurological Outcome following Surgery for Spinal

	Fractures. <u>Gertzbein, S.D.</u> , Jacobs, R.R., Marks, P., Martin, C., Rowed, D., Schwartz, M., Fazl, M. Canadian Paraplegic Association, Toronto, Ontario.
October 5*	Neurological Outcome following Surgery for Spinal Fractures. <u>Gertzbein, S.D.</u> , Jacobs, R.R., Marks, P., Martin, C., Rowed, D., Schwartz, M., Fazl, M. North Medical Centre, Toronto, Ontario.
October 19*	Radiology of Spinal Trauma 3 rd Annual AO Spine Course, Clearwater, Florida, USA.
October 19*	Halo Vest Treatment of Cervical Spine Fractures, 3 rd Annual AO Spine Course, Clearwater, Florida, USA.
October 20*	Posterior Fixation of Thoracolumbar Injuries, 3 rd Annual AO Spine Course, Clearwater, Florida, USA.
October 20*	Locking Hook Spinal Rod Fixation and Thoracolumbar Injuries. 3 rd Annual AO Spine Course, Clearwater, Florida, USA.
October 20*	Approach to the Management of Thoracic and Lumbar Fractures, 3 rd Annual AO Spine Course, Clearwater, Florida, USA.
October 21*	Preliminary Results of the AO Internal Fixator, AO Spine Group, Clearwater, Florida, USA.
November 11*	Scoliosis. The Order of the Eastern Star, Port Hope, Ontario.
November 13*	Anatomy of the Skeleton and Fractures, Denlow Public School, Toronto, Ontario.
November 19	Neurological Outcome following Surgery for Spinal Fractures. <u>Gertzbein, S.D.</u> , Jacobs, R.R., Marks, P., Martin, C., Rowed, D., Schwartz, M., Fazl, M. Best Spinal Paper of The Orthopaedic Trauma Association, Baltimore, Maryland.
December 8*	Current Management of Fractures of the

	Thoracic and Lumbar Spine. University of Syracuse, Syracuse, New York.
December 9*	Segmental Instability of the Lumbar Spine. University of Syracuse, Syracuse, New York.
<u>1988</u>	
January 28*	Current Management of Thoracic and Lumbar
February 7*	Neurological Outcome following Surgery for Thoracic and Lumbar Fractures. <u>Gertzbein, S.D.</u> , Courts-Brown, P., Jacobs, R.R., Marks, C., Martin, Martin, C., Fazl, M. Schwartz, M., Fazl, M and Rowed. Speciality Day, Orthopaedic Trauma Association, American Academy of Orthopaedic Surgeons, Atlanta, Georgia.
February 26*	The Lumbo-dorsal Spine: Mechanisms of Injury and Classification. Symposium on Injuries. AO Spine Course, Operative Stabilization of the Spine, Davos, Switzerland.
December 6*	Posterior Fixation of Spinal Fractures. AO Spine Course, Operative Stabilization of the Spine, Davos, Switzerland.
	Use of the Locking Hook Spinal Rod in Spinal Fractures. AO Spine Course, Operative Stabilization of the Spine,
	Approach to the Management of Thoracic and Lumbar Fractures. AO Spine Course, Operative Stabilization of the Spine, Davos, Switzerland.
<u>1989</u>	
February 9*	Anterior Stabilization: Preliminary Results with Kaneda Instrumentation. American Academy of Orthopaedic Surgeons, Las Vegas, Nevada.
February 12	Preliminary Results of the AO Internal Fixator for Spinal Fractures. <u>Gertzbein, S.D.</u> , Robbins, S.E., Fazl, M., Schwartz, M., Rowed, D. Orthopaedic Trauma Specialty Day. American Academy of Orthopaedic Surgeons, Las Vegas, Nevada.
February 12*	Management of Thoracolumbar Fractures: Anterior Decompression and Techniques. Symposium, Orthopaedic Trauma Association Speciality Day, Las Vegas, Nevada.

March 10*	<p>Pedicle Fixation Techniques for Thoracolumbar Fractures. Dartmouth College, Hannover, New Hampshire.</p> <p>Management of Thoracolumbar Fractures, Anterior Decompression and Techniques. Dartmouth College, Hannover, New Hampshire.</p> <p>Preliminary Results of Kaneda Device in Spinal Fractures. Dartmouth College, Hannover, New Hampshire.</p>
April 4	<p>Accuracy of Pedicle Screw Fixation in Vivo. <u>Gertzbein, S.D.</u> and Robbins, S.E. American Spinal Injuries Association, Las Vegas, Nevada.</p>
April 22*	<p>Pedicle Fixation Techniques in Thoracolumbar Fractures. Ottawa Civic Hospital, University of Ottawa, Ottawa, Canada.</p>
May 16	<p>Accuracy of Pedicle Screw Fixation in Vivo. <u>Gertzbein, S.D.</u> and Robbins, S.E. International Society for Study of the Lumbar Spine. Kyoto, Japan.</p>
May 22*	<p>Treatment of Thoracolumbar Fractures using Pedicle Fixation. Siriraj Hospital, Faculty of Medicine, Mahidol University, Bangkok, Thailand.</p>
June 2*	<p>Anatomy and Indications for Pedicle Fixation of the Thoracolumbar Spine. AO Techniques of Pedicle Fixation Course, Toronto, Ontario.</p> <p>The Use of the Internal Fixator: The Canadian Experience. AO Techniques of Pedicle Fixation Course, Toronto, Ontario.</p>
September 16*	<p>Preliminary Results of the Kaneda Device for Anterior Stabilization of the Spine. Kaneda Symposium, Amsterdam, The Netherlands.</p>
September 22	<p>The Spinal Canal Clearance in Burst Fractures Using the AO Internal Fixator. <u>Gertzbein, S.D.</u> and Crowe, P. Scoliosis Research Society, Amsterdam, The Netherlands.</p>
October 16*	<p>Radiology of Spinal Trauma. AO Spine Course, Vail, Colorado.</p>

- The Use of the Halo Vest in Cervical Trauma. AO Spine Course, Vail, Colorado.
- October 17* Posterior Fixation Including the Locking Hook Spinal Rod for Thoracolumbar Fractures. AO Spine Course, Vail, Colorado.
- The Approach to the Management of Thoracolumbar Fractures. AO Spine Course, Vail, Colorado.
- October 18* Spinal Canal Clearance in Burst Fractures Using the AO Internal Fixator. Gertzbein, S.D. and Crowe, P. Orthopaedic Trauma Association, Philadelphia, Pennsylvania.
- 1990**
- January 19* Classification of Thoracic and Lumbar Fractures. Association of German Spinal Surgeons, Karlsbad, Germany.
- Indications for Anterior and Posterior Surgery for Thoracic and Lumbar Fractures. Association of German Spinal Surgeons, Karlsbad, Germany.
- February 12* Spinal Canal Clearance in Burst Fractures Using the AO Internal Fixator. Gertzbein, S.D., Crowe, P.J. Fracture Symposium, American Academy of Orthopaedic Surgeons, New Orleans, USA.
- March 2* Classification of Thoracolumbar Fractures. AO Fracture Course, Basic and Advanced, Toronto, Canada.
- Thoracolumbar Spine: Treatment - Posterior Approach. AO Fracture Course, Basic and Advanced, Toronto,
- March 9* Radiology of Spinal Trauma. 2nd Annual Rae R. Jacobs Memorial Lecture, Kansas City, Kansas.
- Classification of Thoracolumbar Spine Fractures. 2nd Annual Rae R. Jacobs Memorial Lecture, Kansas City, Kansas.
- Principles of Posterior Surgery for Thoracolumbar Spine Fractures. 2nd Annual Rae R. Jacobs Memorial Lecture.

Kansas City, Kansas.

March 10*

Principles of Anterior Surgery for
Thoracolumbar Spine Fractures. 2nd Annual
Rae R. Jacobs Memorial Lecture. Kansas City, Kansas.

Surgical Treatment of C3-T1 Fractures. 2nd Annual Rae R.
Jacobs Memorial Lecture. Kansas City, Kansas.

April 26*

Classification of Cervical Fractures (C3-7) Challenge of the
Cervical Spine, San Antonio, Texas.

Halo Vest Management of Cervical Fractures and
Dislocations. Challenge of the Cervical Spine, San
Antonio, Texas.

May 22*

Management of Low Lumbar (L4 & L5) Burst Fractures.
Triantafyllou, S., Gertzbein, S.D. International Society for
Study of the Lumbar Spine, Chicago, Illinois.

June 8*

Fractures of the Thoracic and Lumbar Spine: A New
Classification, ABC Traveling Fellows, Toronto, Ontario.

June 16

Spinal Canal Clearance in Burst Fractures Using the AO
Internal Fixator. Gertzbein, S.D. and Crowe, P.
International Society for the Study of
the Lumbar Spine, Boston, Massachusetts.

August 10*

Fracture Fixation using Pedicle Fixation
Devices. The AO Internal Fixator.
Gertzbein, S.D. North American Spine
Society, Monterey, California.

September 10

A New Classification of Spinal Fractures. Gertzbein, S.D.,
Magerl, F., Harms, J., Aebi, M. and Nazarian S. SICOT,
Montreal, Canada.

September 11*

Classification of Thoracic and Lumbar Injuries. Gertzbein, S.D. AO Spine Course, Singapore.

Radiology of Spinal Trauma. Gertzbein, S.D. AO Spine
Course, Singapore.

Anterior Decompression and Stabilization of Thoracic and
Lumbar Fractures. Gertzbein, S.D. AO Spine Course,

- Anatomy and Identification of the Pedicle. Gertzbein, S.D. AO Spine Course, Singapore.
- Posterior Rod Fixation of Thoracic and Lumbar Fractures. Gertzbein, S.D. AO Spine Course, Singapore.
- Identification of the Pedicle (Practical Exercise). Gertzbein, S.D. AO Spine Course, Singapore.
- October 12* Classification of Cervical Fractures. Gertzbein, S.D. AO Spine Course, Singapore.
- Halo Vest Treatment of Cervical Fractures. Gertzbein, S.D. AO Spine Course, Singapore.
- Posterior Wiring of the Cervical Spine (Practical Exercise). Gertzbein, S.D. AO Spine Course, Singapore.
- October 13* Spondylolisthesis: Fusion without Reduction. Gertzbein, S.D. AO Spine Course, Singapore.
- November 8* A New Classification of Thoracolumbar Fractures. Gertzbein, S.D. Keynote Speaker Orthopaedic Trauma Association, Toronto.
- 1991**
- March 8 A New Classification of Spinal Fractures. Gertzbein, S.D., Aebi, M., Harms, J., Magerl, F. and Nazarian, S. American Academy of Orthopaedic Surgeons, Anaheim, CA.
- March 10* Scoliosis Research Society Spine Fracture Study Results. Spine Fracture Symposium, American Academy of Orthopaedic Surgeons, Anaheim, CA.
- June 6* A New Classification of Spinal Fractures. International Back Pain Society, Sydney, Australia.
- June 7 Pathogenesis and Diagnosis of Lumbar Spinal Instability. International Back Pain Society, Sydney, Australia.
- Lumbar Disc Prolapse: Results of Surgical Treatment. International Back Pain Society, Sydney, Australia.
- September 25 A New Classification of Spinal Fractures. Gertzbein, S.D.,

Magerl, F., Harms, J., Nazarian, S., Aebi, M. Scoliosis
Minneapolis.

Spine Fracture Study Final Report: A Multicentre Study of
Fractures of the Thoracic and Lumbar Spine. Gertzbein,
S.D. Scoliosis Research Society, 25th Anniversary
Meeting, Minneapolis.

1992

February 22

Relationship of Rotational Burst Fractures to Neurological
Deficit. Dickey, J.P., Harris, M.B., Gertzbein, S.D. American
Academy of Orthopaedic Surgeons. Washington, D.C.

February 25

Classification of Thoracic and Lumbar Fractures, an
Instructional Course, Fractures of the Thoracolumbar
Spine. American Academy of Orthopaedic Surgeons.
Washington, D.C.

March 24

Segmental Instability of the Lumbar Spine
Austrian, Swiss and German Speaking
Fellows Conference. Texas Back Institute, Plano, Texas.

April 10

Principles of Anterior Fixation in the
Thoracolumbar and Lumbar Spine. Annual
San Antonio Lumbar Spine Segmental Internal Fixation
Course. University of Texas, San Antonio.

Techniques and Clinical Results with the Kaneda System.
Annual San Antonio Lumbar Spine Segmental Internal
Fixation Course. University of Texas, San Antonio.

May 21

Management of Low Lumbar (L4& L5) Fractures.
Gertzbein, S.D. and Triantafyllou, S. International Society
for Study of the Lumbar Spine. Chicago, Illinois.

May 29

Diagnosing Back Pain. Advances in the Diagnosis and
Treatment of Back Pain, Texas Back Institute and St.
Joseph's Hospital, Houston, Texas.

Types of Surgical Intervention for Low Back Pain.
Advances in the Degeneration and Treatment of Back Pain,
Texas Back Institute and St. Joseph's Hospital, Houston,
Texas.

June 20

Management of Low Lumbar (L4 & L5) Fractures.

Gertzbein, S.D. and Triantafyllou, S. Combined English Speaking Orthopaedic Associations, Toronto, Ontario, Canada.

- July 30- Care and Prevention of Neck and Back Pain. Schlumberger Industries, Houston, Texas.
- September 23 Instrumentation in Degenerative Disc Disease. AAOS/SRS Symposium, Kansas City, Kansas.
- September 26 Management of Low Lumbar (L4 & L5) Fractures. Gertzbein, S.D. and Triantafyllou, S. Scoliosis Research Society, Kansas City, Kansas.
- October 2 Monosegmental Fixation of Thoracolumbar Distraction Injuries. Triantafyllou, S. and Gertzbein, S.D. Orthopaedic Trauma Association Meeting, Minneapolis,
- November 9 Classification and Management of Fractures of the Thoracic and Lumbar Spine. Dokkyo University. Tokyo, Japan.
- November 12 A New Classification of Thoracic and Lumbar Fractures and Their Management. Hokkaido University, Sapporo, Japan.

1993

- January 7 The use of Spinal Instrumentation in Degenerative Disc Disease. Grand Orthopaedic Rounds. Hermann Hospital. University of Texas.
- January 29 Surgical Intervention Back Solution Seminars. Comprehensive Management of Spinal Patients. St. Joseph Hospital/Texas Back Institute. Houston, Texas.
- February 22 Management of Low Lumbar (L4 & L5) Fractures. Gertzbein, S.D., Triantafyllou, S. American Academy of Orthopaedic Surgeons. San Francisco, CA.
- March 22 A New Classification of Spinal Fractures. Spinal Cord Injury Rounds. Hermann Hospital/University of Texas.
- March 26 Surgical Intervention in Patients with Degenerative Disc Disease. 25th Anniversary of the School of Allied Health

- Sciences of Galveston. Galveston, Texas.
- April 21 A New Classification of Thoracolumbar Injuries. Magerl, F., Harms, J., Gertzbein, S.D., Aebi, M. and Nazarian, S. First European Congress of Orthopaedics. Paris, France.
- May 14 Lumbar Instability: Trauma Perspective. Texas Association of Neurological Surgeons. Texas Medical Association. Houston, Texas.
- Lumbar Instability: Orthopaedic Perspective. Texas Association of Neurological Surgeons. Texas Medical Association. Houston, Texas.
- Lumbar Stabilization Techniques in Degenerative Disc Disease. Texas Association of Neurological Surgeons. Texas Medical Association. Houston, Texas.
- June 14 Fractures of the Lumbar Spine: Classification. Instructional Course. International Society for Study of the Lumbar Spine. Rome.
- Fractures of the Lumbar Spine: Surgical Treatment in Non Neurological Patients. Instructional Course. International Society for Study of the Lumbar Spine. Rome.
- July 10- Management of a Patient with Thoracic Condition: Case Report. Symposium on Chiropractic and Medical Practice: Strengthening Cooperative Relationship. Texas College of Chiropractic. Pasadena, Texas.
- September 22 Neurological Deterioration in Patients with Thoracic and Lumbar Fractures after Admission to Hospital. Scoliosis Research Society. Dublin, Ireland.
- October 14 Neurological Deterioration in Patients with Thoracic and Lumbar Fractures after Admission to Hospital. North American Spine Society. San Diego, California.
- 1994**
- March 26 Clinical Results of a Load Sharing System. A Multi-Center Study. Symposium on Advance Techniques in Spine Surgery. Breckenridge, Colorado.
- May 6 - Mission to Croatia: A Spinal Surgery

	Experience. Texas Back Institute, Dallas, Texas.
June 19	Mission to Croatia: A Spinal Surgery Experience. The US Naval Reserve. Houston, Texas.
September 21	- Indications for Spinal Instrumentation: Trauma - The Lumbar Spine. SRS/AAOS Symposium. Portland, Oregon.
November 29	- Low Back Pain: Causes, Treatment and Prevention. Doss Community Center. Houston, Texas.
<u>1995</u>	
March 11	Clinical Results of a Load Sharing System. A Multi-Center Study in the US: A Two Year Follow Up. The International Spinal Ski Meeting in Innsbruck, Austria.
April 7-	Orthopaedics - Spine Surgery as a Career, Career Day (Houston High School Students) St. Joseph Hospital.
May 16	Back Pain: Anatomy Causes and Treatment, Spring Branch Independent School District, Houston, Texas.
May 18	Spinal Trauma: Classification, Neurological Implications and Management, Puget Sound Spine Interest Group, Seattle, Washington.
August 1	Degenerative Disc Disease Pathogenesis and Treatment. St. Joseph Hospital, Family Practice Group, St. Joseph Hospital, Houston, Texas.
August 31	Classification of Thoracic and Lumbar Injuries. AO/ASIF Spine Course. Helsinki, Finland.
	Halo Vest for Cervical Spinal Injuries. AO/ASIF Spine Course. Helsinki, Finland.
September 15	Semi-Rigid Instrumentation and Circumferential Fusion in the Treatment of Lumbar Spine Conditions: A Multi-Center Study. <u>Gertzbein, S.D.</u> Betz, R., Errico, G., Hammerberg, K., Robbins, S., Shepherd, E., Weber, J., Clements, D., Albin, J., Wolk, D., Ensor, K., Kerina, M. Scoliosis Research Society. Asheville, N.C.
September 21	Degenerative Disc Disease in the Lumbar Spine:

Pathogenesis and Treatment. Diagnostic Clinic of
Houston. Houston, Texas.

October 12 Osteoporosis in the Spine. Houston Osteoporosis Group
Houston, Texas.

October 28 The Anterior Approach to Fractures for
Thoracolumbar Junction. Anterior Spine
Surgery: Standards and New Techniques
Symposium. Berlin, Germany.

1996

January 22 An Unusual Presentation of Prostatic
Carcinoma of the Lumbar Spine. Tumor
Board Rounds, St. Joseph Hospital.

November 9 Circumferential fusion in Degenerative Disease. Current
concepts of spinal instrumentation. Redondo Beach, CA.

Classification of Thoracolumbar Fractures. Current
concepts of spinal instrumentation. Redondo Beach, CA.

Anterior Surgery for Thoracolumbar Fractures. Current
concepts of spinal instrumentation. Redondo Beach, CA.

1997

January 15 Osteoporosis and the Spine: Prevention and Treatment.
River Oaks Women's Breakfast Club. Houston, Texas.

March 13 Spondyloptysis. Spine Rounds. Baylor
College of Medicine, Houston, Texas.

March 18 Osteoporosis and the Spine: Prevention and Treatment.
River Oaks Women's Breakfast Club. Houston, Texas.

March 24 Anterior Only Surgery for Spinal Fractures. Advanced
Theory and Techniques in Spinal Surgery. Olympic
Valley, California.

March 25 Circumferential Lumbar Fusion in Degenerative Disease.
Advanced Theory and Techniques in Spinal Surgery.

June 11 Management of Low Back Pain. St. Joseph Family
Practice Seminar. St. Joseph Hospital. Houston, Texas.

July 28	Clinical Assessment of Neck and Back Pain. Family Practice Residents. St. Joseph Hospital. Houston, Texas.
July 29	Management of Low Back Pain. Family Practice Physicians. Winnie Medical Center, Winnie, Texas.
September 11	The Prevention and Treatment of Osteoporosis of the Spine. Houston Osteoporosis Society. Houston, Texas.
October 2	Analysis of Circumferential Lumbar Fusion Outcome. 8 th International Conference on Lumbar Fusion and Stabilization. San Antonio, Texas.
October 25	Analysis of Circumferential Lumbar Fusion Outcome. <u>Gertzbein, S.D.</u> , Hollopeter, M. and Hall, S. North American Spine Society, New York, New York.
December 10	Classification of Thoracic and Lumbar Fractures. Grand Rounds. Baylor College Medicine. Houston, Texas.
<u>1998</u>	
April 21	Osteoporosis of the Spine. Hadassah-Avital Chapter, Womens' Fund for Health, Education and Research. Houston, Texas.
April 25	Pseudoarthrosis of the Lumbar Spine: Outcome Following Circumferential Fusion. <u>Gertzbein, S.D.</u> , Hollopeter, M.H., S. Texas Orthopedic Association. Austin, Texas.
May 20	Herniated Disc: Basics and Beyond. Hopestar Lecture Series, Baylor College of Medicine. Houston, Texas.
May 29	A New Classification of Thoracic and Lumbar Fractures. Grand Orthopedic Rounds. University of Southern California, Los Angeles, California.
June 23	Anterior approach for Fractures of the Thoracic and Lumbar Spine. Orthopedic Resident Fracture Rounds, Baylor College of Medicine, Houston, Texas.
September 11	Comprehensive Classification of

	Thoracolumbar Fractures. 18 th Annual Oscar Miller Day Symposium on Spine Trauma. Charlotte, N.C.
September 11	Anterior Treatment of Thoracolumbar Fractures. 18 th Annual Oscar Miller Day Symposium on Spine Trauma. Charlotte, N.C.
December 11	Anterior Surgery for Spinal Fractures. EBI Spine Seminar. Parsippany, New Jersey.
<u>1999</u>	
February 7	Post Traumatic Kyphosis: Posterior Techniques, Federation of Spine Associations, American Academy of Orthopedic Surgeons, Anaheim, California.
March 17	Anterior approach for Fractures of the Thoracic and Lumbar Spine. Baylor College of Medicine, Case Worker's Conference Series, Houston, Texas.
May 10	Classification of Thoracic and Lumbar Fractures. Meeting of the Americas I, Miami, Florida.
	Post Traumatic Kyphosis Following "Burst" Fractures, Meeting of the Americas I, Miami, Florida.
May 13	Osteoporosis of the Spine Update. Houston Osteoporosis Support Group. Houston, Texas.
May 18	Herniated Disc Basics & Beyond. AIG Insurance Group, Houston, Texas.
July 13-	Herniated Disc Basics & Beyond. Kemper Insurance Company, Houston, Texas.
October 2	Cages for Spine Fusions. Challenges for Spine Surgery, EBI Symposium, Las Vegas, Nevada.
October 8	Spinal Column Fractures. American College of Spine Surgeons Review Course, San Antonio, Texas.
November 19	Spinal Fusions Using Cages. Texas State Association of Occupational Health

Nurses, Houston, Texas.

December 1 Spinal Column Fractures. Grand
Orthopedic Rounds, Baylor College of
Medicine, Houston, Texas.

2000

May 18 Spinal Fractures: Classification Clinical Aspect and
Radiology. Resident Didactic Series: Spine, Baylor
College of Medicine, Houston, Texas.

June 29 Management of Spinal Fractures: Management of
Thoracolumbar Fractures. Resident Didactic Series: Spine,
Baylor College of Medicine, Houston, Texas.

August 24 Herniated Disc: Pathogenesis in Management. Resident
Didactic Series: Spine, Baylor College of Medicine,
Houston, Texas.

September 6 Spinal Trauma: Spinal Column Fractures, American
College of Spine Surgery, Spine Surgery Review Course,
San Antonio, Texas.

September 21 Spinal Stenosis: Resident Didactic Series: Spine, Baylor
College of Medicine, Houston, Texas.

November 30 - Pathological Fractures of the Spine: Resident Didactic
Series: Spine, Baylor College of Medicine, Houston, Texas.

2001

February 14 - The Spine and Osteoporosis: Houstonian Club, Houston,
Texas.

February 15 - The Spine and Osteoprosis: Resident Didatic Series: Spine,
Baylor College of Medicine, Houston, Texas.

April 11 - Osteoporosis of the Spine. Houston Osteoporosis Support
Group, Houston, Texas.

May 5 - Disc Herniation Following Lumbar Fusion, Texas Orthopedic
Association, Houston, Texas.

May 9 - Anterior Lumbar Fusions For Degenerative Disc Disease,
Orthopedic Grand Rounds, Baylor College of Medicine,
Houston, Texas.

June 5 -	Surgical Approaches to the Spine: I. Cervical: Resident Didactic Series: Spine, Baylor College of Medicine, Houston, Texas.
June 12	Cages in the Management of Anterior Lumbar Fusion: Case Worker's/Adjusters/Physical Therapist, Baylor College of Medicine, Houston, Texas.
August 14	Surgical Approaches II: Thoracic & Lumbar Baylor College of Medicine, Houston, Texas.
August 28	Surgical Techniques I: Cervical Spine: Resident Didactic Series: Spine, Baylor College of Medicine, Houston, Texas.
September 8	Spine Trauma: American College of Spine Surgeons Refresher Course, San Antonio, Texas.
October 16	Clinical Examination: Resident Spine Lecture Series, Baylor College of Medicine, Houston, Texas.
<u>2002</u>	
March 19	Common Surgical Approaches to the Spine: Resident Spine Lecture Series, Baylor College of Medicine, Houston, Texas.
May 2 -	Distraction Injuries of the Spine, Spine Conference, Baylor College of Medicine, Houston, Texas.
May 14	Back Pain Disorders: Treatment, Conesco Group, Houston, Texas.
May 15	The Importance of Unilateral Loss of Somatosensory Evoked Potentials during Anterior Lumbar Spinal Surgery: A Report of 12 Cases. Richard Francis, Stanley D. Gertzbein, Michael R. Hollopeter, Carla Washington, International Society for Study of the Lumbar Spine, Cleveland, Ohio.
August 1	Fractures of the Thoracic & Lumbar Spine: Classification, Evaluation, & Management. Orthopedic Grand Rounds, University of Texas, Houston, Texas.
September 4	Fractures of the Thoracic and lumbar Spine: American College of Spine Surgery Challenge of the Spine: A Comprehensive Neurosurgical/Orthopedic Course, Naples, Florida.

November 1 The Spine: 3rd Year Medical Students, Baylor College of Medicine, Houston, Texas.

2003

January 23 The Spine: Baylor College of Medicine Medical Student Lecture, Houston, Texas.

May 5 Circumferential Fusion in Degenerative Disc Disease of the Lumbar Spine. Challenges of the Spine (EBI), Las Vegas, Nevada.

May 8 The Spine: Baylor College of Medicine Medical Student Lecture, Houston, Texas.

June 6 Classification of Thoracolumbar Fractures. Argentina Spine Society, Buenos Aires, Argentina.

Analysis of Sagittal Plain Instability of the Lumbar Spine in vivo. Argentina Spine Society, Buenos Aires, Argentina.

June 7 Management of Thoracolumbar Fractures. Argentina Spine Society, Buenos Aires, Argentina.

Analysis of Circumferential Lumbar Fusion Outcome in the Treatment of Degenerative Disc Disease of the Lumbar Spine. Argentina Spine Society

September 8 Osteoporosis Of the Spine, Willowbrook Osteoporosis Support Group, Houston, Texas.

September 26 Spinal Trauma: Thoracic and Lumbar Fractures, American College of Spine Surgeons, Naples, Florida.

November 13 Management of Type C Fractures, The Italian Orthopedic & Trauma Society, Rome, Italy.

November 14 Instability in Degenerative Disc Disease, The Italian Orthopedic & Trauma Society, Rome, Italy.

November 24 Circumferential Fusion In Degenerative Disc Disease, Case Managers, Baylor College of Medicine, Houston, Texas.

2004

January 8	Osteoporosis of the Spine: A Review and Recent Developments. Given Institute, Aspen, Colorado.
February 2	Post Traumatic Kyphosis Following Burst Fractures. The Italian Hospital, Buenos Aires, Argentina.
November 5	The Spine: Baylor College of Medicine, Medical Student Lecture, Houston, Texas.
March 10	Update: Osteoporosis of the Spine, Northeast Medical Center Hospital, Houston, Texas.
March 17	The Spine: Baylor College of Medicine, Medical Student Lecture, Houston, Texas.
March 31	Assessment of Cervical Stability: A New Technique, 3 rd Annual Advanced Spinal Techniques, Snowbird, Utah.
May 6 -	The Spine: Baylor College of Medicine, Medical Student Lecture, Houston, Texas.
May 13	Osteoporosis of the Spine: Recent Developments. Houston Osteoporosis Support Group, Houston, Texas.
December 1	The AO Classification of Thoracolumbar Fractures Spine Conference, Houston, Texas,
December 8	Measurement of Cervical Motion in Clinical Practice, Orthopedic Grand Rounds Baylor College of Medicine, Houston, Texas.

2005

January 25	The Spine: Baylor College of Medicine, Medical Student Lecture, Houston, Texas.
March 13	Results of the ABC Plate Using a New Radiological Technique, Snowbird, Utah.
April 1 -	Fractures of the Thoracic and Lumbar Spine, Classification, Clinical Evaluation and Treatment. DePuy Medical, Houston,

Texas.

May 3 -	The Spine: Baylor College of Medicine, Medical Student Lecture, Houston, Texas.
May 5 -	Classification of Spinal Fractures, Spine Rounds, Baylor College of Medicine, Houston, Texas.
July 26-	The Spine: Baylor College of Medicine, Medical Student Lecture, Houston, Texas.
Dec. 16	Classification & Presentation of Spinal Fractures Aesculap Lecture Series Houston Texas
<u>2006</u>	
Jan. 16,	Management of Spinal Fractures Aesculap Lecture Series Houston, Texas
April 10	The Herniated Disc Aesculap Lecture Series Houston, Texas
May 10	Degenerative Disc Disease Aesculap Lecture Series Basalt, Colorado
May 18	Anatomy & Classification of Cervical Fractures AOSpine Course Murnau, Germany
	Anatomy & Classification of Thoracolumbar Fractures AOSpine Course Murnau, Germany
July 10, 2006	Spinal Stenosis Aesculap Lecture Series Houston, Texas
August 28	Spinal Tumors Aesculap Lecture Series Basalt, Colorado

September 7	Osteoporosis of the Spine Lions Club Basalt, Colorado
October 16	Osteoporosis of the Spine Aesculap Lecture Series Basalt, Colorado
October 28	Anatomy of the Spine Treating the Colorado Athlete Annual Aspen Chiropractic Symposium Aspen, Colorado

2007

January 22	Spondylolysis Aesculap Lecture Series Basalt, Colorado
February 21	Cervical Fractures Part 1. Anatomy & Classification Aesculap Lecture Series Basalt, Colorado
February 22	The Herniated Disc The Given Institute Lecture Series Aspen, Colorado
March 21	Cervical Fractures Part 2: Management Aesculap Lecture Series Basalt, Colorado
April 5	The Aging Spine & Degenerative Disc Disease The Given Institute Lecture Series Aspen, Colorado
April 23	Pedicle Screw & other Screw Fixation to the Spine Aesculap Lecture Series Basalt, Colorado
May 9	Degenerative Disc Disease Synthes Spine Basalt, Colorado
May 10	Aesculap Instrumentation

	Aesculap Lecture Series Basalt, Colorado
May 17	Anatomy & Classification: Thoraco-lumbar Spine AOSpine: New Concepts in Spinal Surgery & Navigation Murnau, Germany
	Anatomy & Classification: Cervical Spine AOSpine: New Concepts in Spinal Surgery & Navigation Murnau, Germany
June 4	Spinal Stenosis The Given Institute Lecture Series Aspen, Colorado
June 18	Surgical Approaches to the Spine Aesculap Lecture Series Basalt, Colorado
July 23	Degenerative Disc Disease of the Cervical Spine Aesculap Lecture Series Basalt, Colorado
July 30	Degenerative Disc Disease of the Lumbar Spine Synthes Lecture Series Basalt, Colorado
August 20	Instability of the Spine Aesculap Lecture Series Basalt, Colorado
September 5	Thoraco-lumbar Fractures Grand Rounds, Dept. of Orthopedics University of Colorado, Denver Colorado
September 17	Post-traumatic Kyphosis Aesculap Lecture Series Houston TX
September 24	Thoraco-lumbar Fractures Synthes Lecture Series Basalt, Colorado
October 15	Spinal Pseudarthrosis

Aesculap Lecture Series
Basalt, Colorado

2008

Jan. 21 -	Classification of Spinal Fractures Aesculap Lecture Series 2 Basalt CO
Feb. 19	Management of Spinal Fractures Aesculap Lecture Series 2 Basalt CO
Mar. 17	Degenerative Disc Disease Aesculap Lecture Series 2 Basalt, Colorado
April 14	The Herniated Disc Aesculap Lecture Series 2 Basalt CO
May 19 10	Spinal Stenosis Aesculap Lecture Series 2 Basalt CO
June 16	Osteoporosis of the Spine Aesculap Lecture Series 2 Basalt, Colorado
August 11	Spinal Tumors Aesculap Lecture Series 2 Basalt, Colorado
Sept. 15	Spondylolysis Aesculap Lecture Series 2 Basalt, Colorado
Oct. 27	Cervical Fractures Part 1. Anatomy & Classification Aesculap Lecture Series 2 Basalt, Colorado
Nov. 12	Thoraco-lumbar Fractures

Visiting Professor
Grand Rounds, Dept. of Orthopedics
University of Texas,
Galveston, Texas

- Nov. 17 Cervical Fractures Part 2. Management
Aesculap Lecture Series 2
Basalt, Colorado
- Dec. 17 Pedicle Screw & other Screw Fixation to the Spine
Aesculap Lecture Series 2
Basalt, Colorado

2009

- Jan. 12 Surgical Approaches to the Spine
Aesculap Lecture Series 2
Basalt CO
- Feb. 27 Cervical Disc Disease
Aesculap Lecture Series 2
Basalt CO
- April 2 Spinal Fractures – Classification & Management
Aesculap Lecture Series 2
Basalt CO
- April 27, Spinal Instability
Aesculap Lecture Series 2
Basalt CO
- June 1, Post-traumatic Kyphosis
Aesculap Lecture Series 2
Basalt CO
- July 8, Spinal Pseudarthrosis
Aesculap Lecture Series 2
Basalt CO
- August 10 Disc & Vertebral Body Replacement
Aesculap Lecture Series 2
Basalt CO
- August 14 Herniated Disc: Causes & Treatment
Hospital Staff, Aspen Valley Hospital

	Aspen CO
September 9	Thoracolumbar Fractures Orthopedic Grand Rounds, Aspen Valley Hospital Aspen CO
September 14	Intervertebral Cages Aesculap Lecture Series 2 Basalt CO
November 4	Pedicle Screws Aesculap Lecture Series 3 Basalt CO
December 7	Classification & Treatment of Spinal Fractures Aesculap Lecture Series 3 Basalt CO
<u>2010</u>	
January 29	Advanced Spinal Trauma Aesculap Set World Meeting St. Louis MO

OTHER PRESENTATIONS

a) Scientific Exhibits:

A Locking Hook Spinal Rod: Operative Technique Demonstration. R.R. Jacobs, S.D. Gertzbein, L. Dayners. 17th Annual Scoliosis Research Society Meeting, September 23-25, 1982. Denver, Colorado.

b) Poster Sessions:

1. Scoliosis Demonstration. S.D. Gertzbein, Sunnybrook Medical Centre Open House, June 8-10, 1979.
2. A New Technique for Macro-Autoradiography of Bone. S.D. Gertzbein, A. Kapasouri, B. Cruickshank, B. Vanderby, W. Gentles. 16th Annual Canadian Orthopaedic Research Society Meeting, Kingston, Ontario, June 11-13, 1982.
3. A Locking Hook Spinal Rod: A Biomechanical and Clinical Evaluation. R.R. Jacobs, S.D. Gertzbein, A. Nordwall. 17th Annual Meeting of the Scoliosis Research Society. September 23-25, 1982, Denver, Colorado.

4. Centrode Patterns in Degenerative Disc Disease. S.D. Gertzbein, R. Holtby, M. Tile, A. Kapasouri, B. Vanderby, C. Purcell. 29th Annual Meeting, Orthopaedic Research Society, March 8-10, 1983, Anaheim, California.
5. Centrode Patterns in Degenerative Disc Disease. S.D. Gertzbein, J. Seligman, R. Holtby, K.W. Chan, A. Kapasouri, M. Tile. 17th Annual Meeting, Canadian Orthopaedic Research Society, June 5-6, 1983, Quebec City, Quebec.
6. Technique of Circumferential Stabilization and Decompression of the Grossly Unstable Spine Fracture. S.D. Gertzbein, R.R. Jacobs, C. Martin, P. Marks, R. Deane and C.M. Court-Brown. Canadian Orthopaedic
7. Neurological Injuries in Thoracolumbar Spine Fractures - The Role of Seatbelts. S.E. Robbin and S.D. Gertzbein. International Society for Study of the Lumbar Spine, Boston, Massachusetts, June 13-17, 1990.
8. Spinal Canal Clearance in Burst Fractures using the AO Internal Fixator. S.D. Gertzbein and P. Crowe. North American Spine Society, Monterey, California, August 8-11, 1990.
9. Wedge Osteotomy for the Treatment of Post-Traumatic Kyphosis. S.D. Gertzbein and M.B. Harris. North American Spine Society, Monterey, California, August 8-11, 1990.
10. Spinal Canal Clearance in Burst Fractures using the AO Internal Fixator. S.D. Gertzbein and P. Crowe. SICOT, Montreal, Canada, September 9-14, 1990.
11. Preliminary Report on the use of the Kaneda Device for Anterior Stabilization of Spinal Fractures. S.D. Gertzbein and P. Crowe. SICOT, Montreal, Canada, September 9-14, 1990.
12. Preliminary Report on the use of the Kaneda Device for Anterior Stabilization of Spinal Fractures. S.D. Gertzbein, S.E. Robbins, M. Fazl, M. Schwartz and D. Rowed. SICOT, Montreal, Canada.
13. Monosegmental Fixation of Thoracolumbar Distraction Injuries. S.D. Gertzbein and S. Triantafyllou. North American Spine Society Meeting, Keystone, Colorado, July 29-August 2, 1991.
14. Iliac Crest Reconstruction After Tri-Cortical Graft Harvest: The Resected Rib Revisted. S.D. Gertzbein and M. Harris. North American Spine Society Meeting, Keystone, Colorado, July 29-August 2, 1991.
15. Burst Fractures of the Thoracolumbar Spine and Lumbar Spine. M. Harris, J. Dickey and S.D. Gertzbein. International Society for Study of the Lumbar Spine,

Chicago, Illinois, May 20-24, 1992.

16. Iliac Crest Reconstruction After Tri-Cortical Graft Harvest: The Resected Rib Revisited. S.D. Gertzbein and M. Harris. International Society for Study of the Lumbar Spine, Chicago, Illinois, May 20-24, 1992.
17. Management of Low Lumbar (L4 & L5) Burst Fractures. S.D. Gertzbein and S. Triantafyllou. International Society for the Study of the Lumbar Spine. Chicago, IL. May 21, 1992.
18. The Rotational Burst Fracture: Its Relationship to Neurological Injury. Mitchell B. Harris, James P. Dickey, S.D. Gertzbein. Orthopaedic Trauma Association, October 3, 1993.
19. Iliac Crest Reconstruction: The Resected Rib Revisited. M.B. Harris and S.D. Gertzbein. American Academy of Orthopaedic Surgeons Meeting. San Francisco, CA., February 22, 1993.
20. Biomechanical Testing Results for a New Thoracolumbar Anterior Surgical Device. S.L. Weinholfer and S.D. Gertzbein. North American Spine Society. Minneapolis, MN, October 19-22, 1994.
21. A New Anterior Fixation Device for Stabilization of the Thoracic and Lumbar Spine: A Biomechanical Comparison with Other Devices. S.D. Gertzbein. International Society for Study of the Lumbar Spine. Singapore. June 2-5, 1997.
22. Pseudoarthrosis of the Lumbar Spine: Outcome Following Circumferential Fusion. Gertzbein, S.D., Hollopeter, M.R., Hall, S. Texas Orthopaedic Association, Austin, Texas, April 25, 1998.
23. Pseudoarthrosis of the Lumbar Spine: Outcome Following Circumferential Fusion. Gertzbein, S.D., Hollopeter, M.R., Hall, S. North American Spine Society, San Francisco, CA, October 21-November 1, 1998.
24. Outer Annular Strain during Discography: Depend on spinal physician & are small in adjacent disc. Gertzbein, S.D., Hipp, John. First International Society for Study of the Lumbar Spine, Kona, Hawaii, June 21, 1999.

c) Invited Discussor of Papers

Decision-making in Adult Scoliosis. Dr. J. Kostuik, Toronto. Academy of Medicine, September 28, 1978.

The Management of Entrapment Syndromes in Adult Scoliosis. E.H. Simmons and R. Jackson, Toronto Academy of Medicine. November 15, 1979.

Spinal Fractures: A Case Presentation. Dr. J. Kustuik. Toronto Academy of Medicine. October 28, 1982.

The Rod Long-Fuse Short Technique in the Treatment of Thoracolumbar and Lumbar Spine Fractures. R.R. Jacobs, M.A. Asher, Scientific Program, American Academy of Orthopaedic Surgeons. January 28, 1985. Las Vegas, Nevada.

The Dynamic Loading Test: The Only True Test for Spinal Instability - T.H. Haheer, B. Bauer, M. Lospinuso, C. Barbera, M. Pirela and D. Dimarco. Scoliosis Research Society, September 21-25, 1986, Bermuda.

Cotrel-Dubousset Instrumentation for Lumbar Burst Fracture: A Biomechanical Study - R. Gepstein, L. Latta, H. Shuffleberger, Scoliosis Research Society, September 21-25, 1986, Bermuda.

Surgical Treatment of Unstable L4 & L5 Fractures - C.C. Edwards and A.M. Levine, Scoliosis Research Society, September 21-25, 1986, Bermuda.

Long-term Effects of Sublaminar Wires on the Content of the Spinal Canal. T. Haheer, V. Devlin, D. Rondon, B. Freeman, B. Bauer and M. Lospinuso. Orthopaedic Trauma Association, November 19-21, 1987. Baltimore, Maryland.

Reduction of the Intra-spinal Fragment in Burst Fractures. B. Fredrickson, K. Mann, H. Yuan and J. Lubicky. Orthopaedic Trauma Association. November 19-21, 1987, Baltimore, Maryland.

Compartment Syndrome and Spinal Injury. Long-Term Follow-up. R. Deanes and A. Perkins, Canadian Orthopaedic Association Meeting, May 28-June 1, 1989.

Prospective Evaluation of Surgical Treatment for Burst Fractures. S.I. Esses, B.J. Botsford and J.P. Kostuik. North American Spine Society. June 29-July 2, 1989. Quebec.

Shape Memory Alloys in the Surgical Correction of Scoliosis-A Preliminary Investigation. J.O. Sanders, A.E. Sanders, R. More and R.B. Ashman. Scoliosis Research Society. September 23-26, 1992. Kansas City, Kansas.

d) Video-Tape:

The Synthes Locking Hook Rod System for Treatment of Unstable Spinal Fractures. S.D. Gertzbein, July 1985.

Pedicle Fixation Techniques for Thoracolumbar Fractures. S.D. Gertzbein.

American Academy of Orthopaedic Surgeons Library. March 1989.

e) Other Activities:

Organizing Committee, Update on Management of Acute Spinal and Spinal Cord Injuries, Sunnybrook Medical Centre and University of Toronto, May 31 and June 1, 1984.

Coordinator, International Spine Fracture Study, sponsored by Scoliosis Research Society, 1985-.

Member, Spine Study Group for the Development of Spinal Instrumentation A-O 1985.

Chairman, North American Program Committee, Spinal A-O Course, October 1987, Clearwater, Florida.

Chairman, North American AO Spine Study Group for the Development of Spinal Instrumentations, 1988-.

Chairman, AO Techniques of Pedicle Fixation Course, Toronto, Canada, June 2, 1988.

- Moderator - 1. Scientific Session, International Society for Study of the Lumbar Spine, Montreal, June, 1984.
2. Spinal Session, AO Advanced Course, January 31-February 3, 1986.
3. Thoracic and Lumbar Fractures Session, AO Spine Course, December 16-18, 1986.
4. Low Back Pain Session. Second International Congress. International Back Pain Society, Hong Kong. June 15-17, 1987.
5. Current Concepts in Spinal Surgery, Societe Internationale de Chirurgie et de Traumatologie, 17th World Congress, Munich, Germany. August 18, 1987.
6. Symposium on Spinal Fractures, AO Advanced Course, Toronto, Canada. February 25, 1988.

7. Visiting Kennedy Professor (Professor E. Morscher) Sunnybrook Medical Centre, Toronto. April 25, 1988.
8. Spinal Session AO Spine Course – Operative Stabilization of the Spine, Davos, December 9, 1988.
9. Symposium on AO Techniques of Pedicle Fixation, Toronto, Ontario. June 2, 1989.
10. Scientific Session: The Disc, International Society for Study of the Lumbar Spine, Boston, June 13-17, 1990.
11. Advances in the Diagnosis & Treatment of Back Pain St. Joseph's Hospital/Texas Back Institute. Houston, Texas, May 29, 1992.
12. Symposium on Fracture Fixation using Pedicle Fixation Devices, North American Spine Society, Monterey, California, August 10, 1992.
13. Back Solution Seminar. Comprehensive Management of Spinal Patients. St. Joseph's Hospital/Texas Back Institute. Houston, Texas. January 29, 1993.
14. Trauma/Infection and Miscellaneous Scoliosis. Scoliosis Research Society. Portland, Oregon. September 21, 1994.
15. Moderator: Spinal Deformities, AO/ASIF Spine Course. Helsinki, Finland, September 1, 1995.
16. Moderator: Spine Trauma, American Academy of Orthopaedic Surgeons. March 15, 2000.
17. Moderator: Aesculap Workshop Advances in Spinal Surgical Techniques, Given Institute, Aspen CO, February 2, 2010

Chairman: AOSpine: New Concepts in Spinal Surgery & Navigation
Murnau, Germany May 18, 2006

Chairman: AOSpine: New Concepts in Spinal Surgery & Navigation
Murnau, Germany May 17, 2007