

CURRICULUM VITAE

Robert GUNZBURG, M.D., Ph.D.

PERSONAL DATA

Name : GUNZBURG
First Name : Robert
Address : Niellonstraat 14, 2600 Antwerpen-Berchem, Belgium
e-mail : robert@gunzburg.be
Date of birth : October 28, 1956
Place of birth : Antwerpen, Belgium
Nationality : Belgian
Marital status : married, two children
Languages : fluent in Dutch, French and English (written & spoken)
Working knowledge of Spanish & Afrikaans

COLLEGE and MEDICAL SCHOOL

1974: Matriculated, Koninklijk Atheneum Berchem (Latin-Mathematics)

1997: *Undergraduate degree (candidate years)*

‘Kandidaat in de Geneeskundige wetenschappen’ *cum laude*
Rijks Universitair Centrum Antwerpen (RUCA) & Vrije Universiteit Brussel (V.U.B.)

1981: *Graduate degree (doctorate years)*

‘Dokter in de Genees-, Heel- en Verloskunde’ (= M.D.) *cum laude*
University of Louvain: Katholieke Universiteit Leuven (K.U.L.)

ADDITIONAL DEGREES and CERTIFICATES

1981: Diploma in Tropical Medicine *cum laude*
Prins Leopold Institute for Tropical Medicine of Antwerp

1991: Ph.D. (Agrégation de l’Enseignement Supérieur)
Contribution à l’Etude du Rachis Lombo-Sacré, Rotation et Flexion-
Rotation, Approche Etio-Pathogénique de la Lombalgie Discale
Public lesson: 17/12/91 ‘La Prothèse Totale de Hanche’

POSTGRADUATE TRAINING

General Surgery and Orthopaedics

- 1981: General Surgery, Dr. G. Ceulemans, Antwerp (6 months)
- 1982-1984: University of Cape-Town, South-Africa, Groote Schuur Hospital
General Surgery, Prof. J. Terblanche,
Orthopaedics, Prof. G. Dall and Prof. B. Heywood
Cardiac Surgery , Prof. C. Barnard,
- 1984: Orthopaedics, Prof. F. Burny, Hôpital Universitaire Erasme, Brussels (8 months)
- 1984-1987: Orthopaedics, Prof. R. de Marneffe and J. Wagner, Hôpital Universitaire Brugmann, Brussels (34 months).

Certification by the Ministry of Public Health

- 1987: **Specialist in Orthopaedic Surgery and Traumatology**
(RIZIV) n° 1-17496-68-480
- 1999: **United Kingdom Certificate of Full Registration as a Medical Practitioner**
(Principal List) N°4595485 Orthopaedic Medicine,
General Medical Council, 23/03/99

PROFESSIONAL CAREER

- 1987 to date: **Senior Consultant** in the Department of Orthopaedics, Brugmann
University Hospital, Brussels, Free University of Brussels.
- 1988-89: **Clinical Fellowship** in Spinal Surgery with Prof. R. D. Fraser,
Royal Adelaide Hospital, Adelaide, Australia
- 1992 to date: **Private practice** at the Eeuwfeestkliniek in Antwerp, Belgium
- 1989 to date: **Expert for the Court of Law**, particularly in matters concerning the spine
- As from 2003: consultant spine surgeon at the Al Noor Hospital, Abu Dhabi, United Arab Emirates.

ADMINISTRATIVE FUNCTIONS

- Treasurer of the European Spine Society (ESS) from 1994, till dissolution (1998)
- Treasurer of the Groupement Belge d'Orthopédie (GBS-VBS) since 1993
- Treasurer of the EIBAL (Enseignement Interdisciplinaire de Biomécanique de l'Appareil

Locomoteur)

Treasurer of the Spine Society of Europe since 1998 (SSE)

European Representative for International Society for the Study of the Lumbar Spine (ISSLS)

Instructional course Representative for International Society for the Study of the Lumbar Spine (ISSLS)

Secretary of International Society for the Study of the Lumbar Spine (ISSLS) 2005-2008

Vice-President Spine Society of Europe (SSE) 2006-2007

President of EuroSpine Society (ESS) 2007-2008

Founding Board member of the EuroSpine Foundation since 2008

AWARDS and GRANTS

National

Travel Award by the Nationaal Fonds voor Wetenschappelijk Onderzoek (National Foundation for Scientific research) C18/4-MO 21703 to attend the 33rd South-African Orthopedic Association Meeting, 1987

Travel Award by the Nationaal Fonds voor Wetenschappelijk Onderzoek (National Foundation for Scientific research) ref. C 18/5 - LC. 18634 to attend the International Society for the Study of the Lumbar Spine Annual Meeting, 1990

International

Research Grant from the AO/ASIF Foundation 92/G26 (8.000 Sfr.) for in vitro research concerning the effects of posterior instrumentation on axial rotation of the lumbar spine, 1992

Lyman Smith Award 1992 for the best paper at the Annual Meeting of the International Intradiscal Therapy Society, Nice, 1992 (\$ 1.000)

Volvo Foundation Award for organising “Whiplash ‘96”, 1996 (200.000 SK)

Scott Haldeman Award 2003: 1st Prize in the International Research Competition at the World Federation of Chiropractic Conference. (\$7,000 USD) The paper will be published as the Award Winning Paper in the Journal of Manipulative & Physiological Therapeutics. Colloca CJ, Keller TS, Gunzburg R. Biomechanical and Neurophysiological Responses to Spinal Manipulation in Patients With Lumbar Radiculopathy.

Scott Haldeman Award of World Federation of Chiropractic

Colloca C, Keller T, Gunzburg R

Biomechanical and neurophysiological responses to spinal manipulation in patients with lumbar radiculopathy

FOREIGN STUDY VISITS

1979-80: Internal Medicine, Prof. H. Péquignot, Cochin University Hospital, Paris (4 months)

1980: Ben Gardane, Tunisia, 1980, benevolent work (2 months)

1982-83: South-Africa (see above)

1986: Spinal Surgery, Prof. R. Louis, Hôtel-Dieu Hospital, Marseilles (3 weeks)

1988-89: **Fellowship in Spinal Surgery** of the Adelaide Bone and Joint Research Foundation, Prof. R.D. Fraser, Adelaide (Australia) (1 year)

MEMBERSHIP of SCIENTIFIC SOCIETIES

Member of the **Belgian Society for Orthopaedics and Traumatology** Flemish section (BVOT) and French section (SOBCOT)

Founder member of the **European Spine Society** (ESS)

Treasurer from 1994, till dissolution (1998)

Member of Scientific Committee 1994, 1996

Founder member **Spine Society of Europe** (SSE)

Treasurer since 1998

Member of Scientific Committee 1999, 2000, 2001

Member of Programme Committee 2000, 2001

Member of SpineWeek Committee since 1999

Vice-President 2007

President 2008

Member of the **Société Internationale de Chirurgie Orthopédique et de Traumatologie** (SICOT)

Member of the **International Society for the Study of the Lumbar Spine** (ISSLS)

European Representative since 1998

Instructional course organiser 2003

General Secretary 2005-2008

Member of the **Spine Society of Australia** (SSA)

Member of the Geneesherenkring van Berchem

Member of the Groupement Belge d'Orthopédie (GBS-VBS) since 1993

Treasurer since 1994

Member of the EIBAL (Enseignement Interdisciplinaire de Biomécanique de l'Appareil Locomoteur)

Treasurer since 1991

EDITORIAL WORK

1987-1999: Member of the Board of Editors **INTERNATIONAL ORTHOPAEDICS** (peer reviewed journal, Springer-Verlag, Heidelberg, indexed in 'Current Contents/Clinical Medicine, IS Alerting Services, Science Citation Index-Expanded (SciSearch), Index Medicus.

1996 to date: Deputy-Editor of the **EUROPEAN SPINE JOURNAL** (peer reviewed journal, Springer-Verlag, Heidelberg, indexed in 'Current contents/Clinical Medicine, IS Alerting Services, Science Citation Index-Expanded (SciSearch), Index Medicus, Citation index (2002) 0,966.

Reviewer for Acta Orthopaedica Belgica (peer reviewed journal) Indexed in Index Medicus.

Member of the scientific committee of the European Spine Society (1994)

Chairman of the scientific committee of the European Spine Society (1996)

2004- Corresponding Reviewer for Columna/Coluna

Member of the scientific committee of the ISSLS (2005)

2009- Assistant Editor-in-Chief of the **EUROPEAN SPINE JOURNAL**

TEACHING TASKS

Anatomy (4 h/week) from 1984 till 1994 at the Higher Institute for Physiotherapy, Antwerp (Hoger Instituut voor Kinesitherapie en Ergotherapie H.I.K.E)

Physiology (1 h/week) from 1985 at the Higher Institute for Physiotherapy, Antwerp (Hoger Instituut voor Kinesitherapie en Ergotherapie H.I.K.E)

Table Instructor at the AO course in Davos (Switzerland), annually 1 week in December from 1985 till 1991

Member of the Scientific Committee of EIBAL (Enseignement Interdisciplinaire de Biomécanique de l'Appareil Locomoteur) as from 1993

Continuous teaching seminars School of Physiotherapy and Manual Medicine, Free University of Brussels on a yearly basis since 1996:

Etio-Pathogenie van Discale Lumbalgie

Oppuntstelling van lumbalgie en cervicalgie: diagnose-strategie en behandeling

Promotor of thesis: Lumbar flexion and rotation after spondylodesis, Mr. R. SCHOOF, Free University of Brussels, 1993

'Spinal Stenosis', instructional course to General Practitioners, organised by Exell Pharma 1994

'Spinal Fusion', instructional course to General Practitioners, organised by Exell Pharma 1994

Nieuwe inzichten in discuspathologie, Dokterskring van Berchem, 16/05/95, Antwerp, Belgium, 1995

Facet Joint Injections, 11th Instructional Course of the International Society for the Study of the

Lumbar Spine, in collaboration with the Hospital for Joint Diseases, New York, June 1996

Table Instructor at the AO Spine course in Davos (Switzerland), 1998

Spine Society of Europe annual course, Barcelona, 2003

International Society for the Study of the Lumbar Spine Instructional Course, Saigon (Vietnam) 2005

International Society for the Study of the Lumbar Spine Instructional Course, Curitiba (Brazil) 2006

International Society for the Study of the Lumbar Spine Instructional Course, Sandton (Republic of South Africa) 2007

International Society for the Study of the Lumbar Spine Instructional Course, Cartagena (Colombia) 2008

ORGANIZATION OF COURSES

12th Orthopedic Day of Brugmann, The degenerative Lumbar Spine, Brussels, 1993

Organiser of the First Instructional Course of the European Spine Society, Brussels, 1994.

Organiser of the First International Symposium of the International Society for the Study of the Lumbar Spine, Brussels, 1994

Organiser of the International Symposium on the Instrumented fusion of the Lumbar Spine, Brussels, 1995

Organiser of the International Symposium on Whiplash, Brussels, 1996

Organiser of the International Symposium on Lumbar Spinal Instability, Brussels, 1997

Organiser and Chairman of the Annual Meeting of the International Society for the Study of the Lumbar Spine, Brussels, 1998

Organiser of the International Symposium on Lumbar Spinal Stenosis, Brussels, 1998

Organiser and Chairman of the AO Instructional Course in Antwerp, May 3-6 1999

Organiser of the International Symposium on The Degenerative and Inflammatory Cervical Spine, Brussels, 1999

Organiser of the hands-on course on infiltration and injections of the locomotor system, Brussels September 18, 1999

Organiser and Chairman of Whiplash Associated Disorders, Tel Aviv, Israel, 1999

Organiser and Chairman of the Combined Annual Meeting of the European Spine Society and European Spinal Deformities Society (EUROSPINE), Antwerp, 2000

Organiser of the hands-on course on infiltration and injections of the locomotor system, Brussels February 5, 2000

Organiser of the hands-on course on infiltration and injections of the locomotor system, Brussels April 29, 2000

Organiser of the Brussels International Spine Symposium on Disc Herniation in the Third Millennium, Brussels, 2000.

Organiser of the Brussels International Spine Symposium on Osteoporotic Vertebral Fractures, Brussels, 2001.

Organiser and lecturer at the first combined European–Brazilian course on spinal disorders, Ribeirao-Preto (Brazil), 2001

Organiser and lecturer at the first combined European–Brazilian course on spinal disorders, Ribeirao-Preto (Brazil), 2001

Organiser of the 1st Brussels International Obesity Symposium: Obesity Bone and Joint (BIOS), Bussels, October 2001

Organiser of the Brussels International Spine Symposium on Degenerative Disc ... Disease? Brussels, 2002.

Organiser of the Brussels International Spine Symposium on The Failed Spine, Brussels, 2003.

Organiser of the Brussels International Spine Symposium on Spondylolysis, Brussels, 2004.

Organiser and Chairman of the Combined Meeting of leading Spine Societies (SpineWeek), Porto 2004 www.spineweek.com

Organiser of the Brussels International Spine Symposium on Non-Fusion technologies, Brussels, 2005.

Organiser of the International Society for the Study of the Lumbar Spine Instructional Course, Saigon (Vietnam) 2005

Organiser of the Brussels International Spine Symposium on Fractures & Tumors of the Spine, Brussels, 2006.

Organiser of the International Society for the Study of the Lumbar Spine Instructional Course, Curitiba (Brazil) 2006

Organiser of the Brussels International Spine Symposium on Low Back pain: To fuse or not? Brussels, 2007.

Organiser of the International Society for the Study of the Lumbar Spine Instructional Course, Sandton (Republic of South Africa) 2007

Organiser of the International Society for the Study of the Lumbar Spine Instructional Course, Carthagena (Colombia) 2008

Organiser and Chairman of the Combined Meeting of leading Spine Societies (SpineWeek), Geneva 2008 *www.spineweek.com*

Organiser of the Brussels International Spine Symposium on 'Semi-Rigid Fixation of the Spine' Brussels, 2008.

Organiser and Co-Chairman of the first United Kingdom 'day of the Spine', Cambridge 2008.

Organiser and Co-Chairman of the first Australian 'day of the Spine', Adelaide 2008.

Organiser of the Brussels International Spine Symposium on 'Soft-Tissue Injuries to the Spine' Brussels, 2009.

CHAIRMANSHIP of INTERNATIONAL CONGRESSES or COURSES

1993: 12th Orthopedic Day of Brugmann, The degenerative Lumbar Spine, Brussels

1994: First Instructional Course of the European Spine Society, Brussels

1994: The lumbar spine, a basic science approach: first International Symposium of the International Society for the Study of the Lumbar Spine, Brussels (1st Brussels International Spine Symposium)

1995: Instrumented Fusion of the Lumbar Spine (2nd Brussels International Spine

Symposium), Brussels
 1996: Whiplash '96 (3rd Brussels International Spine Symposium), Brussels
 1997: Lumbar Spinal Instability (4th Brussels International Spine Symposium), Brussels
 1998: 25th Annual Meeting of the International Society for the Study of the Lumbar Spine, Brussels
 1998: Lumbar Segmental Stenosis (5th Brussels International Spine Symposium), Brussels
 1999: AO Instructional Spine Course, Antwerp
 1999: The Degenerative and Inflammatory Cervical Spine (6th Brussels International Spine Symposium), Brussels,
 1999: Organiser and Chairman of Whiplash Associated Disorders, Tel Aviv, Israel
 2000: Organiser and Chairman of EUROSPINE, annual meeting of the Spine Society of Europe, Antwerp
 2000: Disc Herniation in the Third Millennium (7th Brussels International Spine Symposium), Brussels
 2001: Osteoporotic Vertebral Fractures (8th Brussels International Spine Symposium), Brussels
 2002: Degenerative Disc ... Disease? (9th Brussels International Spine Symposium)
 2003: The failed spine (10th Brussels International Spine Symposium)
 2003: Non-fusion techniques in Spine Surgery, Bordeaux
 2004: Disc prosthesis. Instituto Ortopedico Galeazzi, Milan
 2004: Spondylolysis, spondylolisthesis and degenerative spondylolisthesis (11th Brussels International Spine Symposium)
 2004: SpineWeek, Porto Portugal (First Combined annual meeting of E-CSRS, SSE and ISSLS)
 2005: Non-Fusion Techniques in Spine Surgery (12th Brussels International Spine Symposium)
 2006: Tumors & Fractures of the Spine (13th Brussels International Spine Symposium)
 2007: Low Back Pain: To fuse or not? (14th Brussels International Spine Symposium)
 2008: Semi-Rigid fixation of the Spine (15th Brussels International Spine Symposium)
 2009: Soft-Tissue Injuries to the Spine (16th Brussels International Spine Symposium)

SESSION CHAIRMAN and/or MODERATOR at INTERNATIONAL SCIENTIFIC MEETINGS

Annual meeting Belgian Orthopaedic Association (Sobcot, BVOT) Ghent, Belgium, 1991
 International Symposium Lumbar & Cervical Spine (instructional course ESS), Brussels, 1994
 Annual meeting of the Spine Society of Europe, Madrid, Spain 1994
 Spine session EFORT Meeting, Munich, Germany, 1995
 Annual Meeting European Spine Society, Noordwijk aan Zee, Netherlands, 1995
 Instrumented Fusion of the Lumbar Spine, Head Moderator, Brussels, 1995
 4^o Annual International Spine Meeting, Amsterdam, Netherlands, 1996
 11th Instructional Course of the International Society for the Study of the Lumbar Spine: Recent advances in the treatment of low back pain, in collaboration with the Hospital for Joint Diseases, New York, June 1996

SICOT meeting Amsterdam, August 1996
 Annual Meeting European Spine Society, Eurospine, Zurich, Switzerland, 1996
 Whiplash 96, Head Moderator, Brussels, 1996
 Annual meeting of the International Society for the Study of the Lumbar Spine, Burlington, USA 1996
 Spine session EFORT Meeting, Barcelona, Spain, 1997
 5° Annual International Spine Meeting, Bologna, Italy, 1997
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Singapore, 1997
 Annual Meeting European Spine Society, Kos, Greece, 1997
 Lumbar Spinal Instability, Head Moderator, Brussels, 1997
 Lumbar Spinal Stenosis, Head Moderator, Brussels, 1998
 International Society for the Study of the Lumbar Spine, Brussels 1998
 Whiplash Associated Disorders, A World Congress for Health Care, Auto Engineering and Insurance Professionals, Vancouver, 1999
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Hawaii, USA 1999
 Annual meeting of the Spine Society of Europe: EuroSpine, Munich, Germany 1999
 Whiplash Associated Disorders, Tel Aviv, Israel, 1999
 Controversies in spinal surgery, Bloemfontein, South-Africa, 1999.
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Adelaide, Australia, 2000
 Annual meeting of the Spine Society of Europe: EuroSpine, Antwerp 2000
 International conference on 3D navigation in surgical procedures, a multi-disciplinary approach, Antwerp, 2001
 International Society for the Study of the Lumbar Spine, Edinburg, Scotland 2001
 Annual meeting of the Spine Society of Europe, Göteborg, Sweden 2001
 Osteoporotic vertebral fractures, International two-day symposium, Brussels, Belgium 2001
 Annual meeting of the Spine Society of Europe, Nantes, France 2002
 International Society for the Study of the Lumbar Spine, Cleveland, USA 2002
 Degenerative Disc ... Disease? International two-day symposium, Brussels, Belgium 2002
 6th International congress on spinal surgery, Ankara, Turkey 2002
 Biotechnologies for Spinal Surgery, Halle, Germany 2002
 28th annual meeting of the Spine, Heraclion, Greece 2003
 International Society for the Study of the Lumbar Spine, Vancouver, Canada 2003
 Annual meeting of the Spine Society of Europe, Prague, Czech Republic 2003
 Non-Fusion techniques in Spinal Surgery, Bordeaux, France 2003
 Bi-annual meeting of the Brazilian Spine Society, Fortaleza, Brazil 2003
 International Society for the Study of the Lumbar Spine, Porto, Portugal 2004
 Annual meeting of the Spine Society of Europe, Porto, Portugal 2004
 International Society for the Study of the Lumbar Spine, New York, USA 2005
 Annual meeting of the Spine Society of Europe, Barcelona, Spain 2005
 International Society for the Study of the Lumbar Spine, Bergen, Norway 2006
 Annual meeting of the Spine Society of Europe, Istanbul, Turkey, Spain 2006
 International Society for the Study of the Lumbar Spine, Hong Kong, China 2007
 Annual meeting of the Spine Society of Europe, Brussels, Belgium 2007
 5th Orthopaedic CHIREC meeting, Brussels, Belgium 2007

International Society for the Study of the Lumbar Spine, SpineWeek, Geneva, Switzerland 2008
Annual meeting of the Spine Society of Europe, SpineWeek, Geneva, Switzerland, 2008
International Society for the Study of the Lumbar Spine, Miami, USA 2009
Annual meeting of the Spine Society of Europe, Warsaw, Poland, 2009

INVITED LECTURER or KEY-NOTE SPEAKER at INTERNATIONAL MEETINGS

Adelaide, Australia (1988, 1989, 1992 & 2000), **Tunis**, Tunisia (1992), **Cape-Town**, South-Africa (1992 & 2002), **Amsterdam**, The Netherlands (1995 & 1996), **Brussels** (1996), **Bologna**, Italy (1997), **Barcelona**, Spain (1997), **London**, United Kingdom (1997), **Montreux**, Switzerland (1997), **Münster**, Germany (1998), **Interlaken**, Switzerland (1998), **Middlesbrough**, United Kingdom (1998), **Paris**, France (1998), **Tel-Aviv**, Israel (1999), **Bloemfontein**, South-Africa (1999), **Vancouver**, Canada (1999), **Grenoble**, France (1999), **Iquique**, Chile (2000), **New-York**, USA (2000), **Leeds**, United Kingdom (2000), **Bern**, Switzerland (2001), **Belo Horizonte**, Brazil (2001), **Santiago**, Chile (2001), **Milan**, Italy (2001), **Zurich**, Switzerland (2001), **Halle**, Germany (2002), **Leeds**, United Kingdom (2002), **Ribeirao-Preto**, Brazil (2002), **Heraclion**, Greece (2002), **Bordeaux**, France (2003), **Fortaleza**, Brazil (2003), **Milan**, Italy (2004), **Coolum**, Australia (2004), **Paris**, France (2004), **Dubai**, United Arab Emirates (2004), **Teesside**, United Kingdom (2004), **Davos**, Switzerland (2005), **Riyadh**, Saudi-Arabia (2005), **Zielona Gora**, Poland (2005), **Rio de Janeiro**, Brazil (2005), **Frankfurt**, Germany (2005), **Zakopane**, Poland (2006), **Bern**, Switzerland (2006), **Chicago**, USA (2006), **Changsha**, China (2007), **Austin**, USA (2007), **Athens**, Greece (2007), **Porto**, Portugal (2007), **Lisbon**, Portugal (2007), **Madrid**, Spain (2007), **Phoenix**, USA (2007), **Beijing**, China (2008), **Shanghai**, China (2008), **Phoenix**, USA (2008), **Rome**, Italy (2008), **Madrid**, Spain (2008), **Adelaide**, Australia (2008), **Cambridge**, United Kingdom (2008), **Sao-Paulo**, Brazil (2008), **Adelaide**, Australia (2009), **Sao Paulo**, Brazil (2009), **Beijing**, China (2009), **Madrid**, Spain (2009) and numerous national and international meetings in Belgium.

COURSES FOLLOWED

Biomechanics Course (EIBAL), Prof. J. Wagner, Brussels, 1985
Osteosynthesis Course, Davos, 1985
The London & Nottingham Course for Overseas orthopaedic surgeons, Prof. M. Trickey and Mr. J. Webb, 1985 (on invitation)
Spinal Surgery Course, Davos, 1986
Spinal Surgery Course, Marseilles, Prof. R. Louis, 1987
Cotrel-Dubousset Instrumentation Course, Berck-s-Mer, Dr. D. Chopin, 1988
SICOT European Zone Trainees' Teaching Meeting, London, 1989
Instructional Course, International Society for the Study of the Lumbar Spine, Paris, 1989
The Lumbar Spine, A Basic Science Approach, First International Symposium, Brussels, 1994
Laparoscopic Spinal Surgery Course, Saar, 1995
Midas Rex Hands-On Workshop 'Modern dissection techniques of bone, biometals and Bioplastics', Leuven, Belgium, 1995
11th Instructional Course of the International Society for the Study of the Lumbar Spine, in collaboration with the Hospital for Joint Diseases, New York, June 1996
International Spinal Microsurgery Course, Louvain, October 2000
Management for Hospital Doctors, Vlerick Business & Management School, 2001

INTERNATIONAL CONFERENCES ATTENDED

7th Combined Meeting of the Orthopedic Associations of the English Speaking World, Cape-Town, 1982
SICOT Conference, London, 1984
Yearly Conferences of the Belgian Society for Orthopaedics and Traumatology (BVOT)
33rd Congress of the South-African Orthopedic association, Cape-Town, 1987
Congress of the Australian Orthopedic Association, Perth, 1988
Meeting of the South-Australian branch of the Australian Orthopedic Association, 1988
Meeting of the South-Australian branch of the Australian Orthopedic Association, 1989
Annual Meeting of the International Society for the Study of the Lumbar Spine, Boston, U.S.A., 1990
SICOT Conference, Montreal, 1990
First Annual Meeting of the European Spine Society, Zurich, 1990
Annual Meeting of the International Society for the Study of the Lumbar Spine, Heidelberg, Germany, 1991
Annual Meeting of the European Spine Society, Rome, Italy, 1991
Annual Meeting of the American Academy of Orthopedic Surgeons, Anaheim, U.S.A., 1991
Annual Meeting of the Spine Society of Australia, Adelaide, 1992
Annual Meeting of the International Society for the Study of the Lumbar Spine, Chicago, U.S.A., 1992
33rd Congress of the South-African Orthopedic Association, Cape-Town, 1992

Combined Meeting Belgian-Tunisian Orthopedic Associations, Tunis, 1992
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Marseilles, France, 1993
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Boston, U.S.A., 1990
 SICOT Conference, Seoul, 1993
 Annual Meeting of the Cervical Spine Research Society, New-York, U.S.A., 1993
 Annual Meeting of the European Spine Society, Bochum, Germany, 1993
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Seattle, U.S.A., 1994
 Annual Meeting of the European Spine Society, Madrid, Spain, 1994
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Helsinki, Finland, 1995
 1995 International Spine Conference, Amsterdam, The Netherlands, 1995
 Annual Meeting of the European Spine Society, Noordwijk aan Zee, Netherlands, 1995
 4^o Annual International Spine Meeting, Amsterdam, Netherlands, 1996
 Annual Meeting of the European Spine Society, Zurich, Switzerland, 1996
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Burlington, Vt USA, 1996
 5^o Annual International Spine Meeting, Bologna, Italy, 1997
 Advances in Spinal Fixation and reconstruction, Medical engineering division, Institution of Mechanical Engineering, London, 1997
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Singapore, 1997
 Annual Meeting of the European Spine Society, Kos, Greece, 1997
 Combined Meeting of the Société Suisse d'Orthopédie and the Société Belge de Chirurgie Orthopédique et de Traumatologie, Montreux, Switzerland, 1997
 American Academy of Orthopaedic Surgeons, New-Orleans, 1998
 North American Spine Society, San-Francisco, 1998
 International Meeting on Knee, Hip and Spine Surgery, Interlaken, 1998
 The Middlesbrough Spine Symposium, Middlesbrough, 1998
 Annual Meeting of the European Spine Society, Munich, Germany, 1998
 2nd International R. Roy-Camille Meeting on Spine, Paris, 1998
 Deformities and Degenerative Diseases of the Spine-Current Concepts and Perspectives, Münster, 1998
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Brussels, 1998
 International Symposium on Degeneration of the Lumbar Functional Spinal Unit and Physiopathology of Low Back Pain, Paris, 1998
 Whiplash Associated Disorders, A World Congress for Health Care, Auto Engineering and Insurance Professionals, Vancouver, 1999
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Hawaii, 1999
 Lombalgies chez les ecoliers: une étude longitudinale prospective, Le dos de l'enfant et de l'adolescent et la prévention des lombalgies, Grenoble, 1999.
 Journée de l'Hôpital Beaujeon, Paris, 1999.
 Annual meeting of SILACo, Punta del este, Uruguay, 1999

Whiplash Associated Disorders, Tel Aviv, Israel, 1999
 Annual Meeting of the Spine Society of Europe, Innsbruck, Austria, 1999
 Controversies in spinal surgery, Bloemfontein, South-Africa, 1999
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Adelaide, Australia, 2000
 Annual meeting of the Chilean Orthopaedic and Trauma Society, November , 2000
 Annual Meeting of the Spine Society of Europe, Antwerp, Belgium, 2000
 Back Pain and Disability: Unraveling the puzzle, New-York, 2000
 International Congress on Whiplash Associated Disorders, Bern, March 2001
 Annual meeting of the Brazilian Spine Society, Belo Horizonte, April 2001
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Edinburgh, Scotland, 2001
 Annual meeting of the Chilean Orthopaedic and Trauma Society, November, 2001
 Annual meeting of the Chilean Orthopaedic and Trauma Society, November, 2001
 Annual Meeting of the Spine Society of Europe, Göteborg, Sweden, 2001
 First International Symposium on Advanced Spine Surgery, Milan, Italy, 2001
 International symposium on Bone Substitutes, Zurich, Switzerland, 2001
 Annual Meeting of the International Society for the Study of the Lumbar Spine, Cleveland, USA, 2002
 6th International Congress on spinal surgery, Ankara, Turkey, 2002
 Joint meeting of British Research Society and United Kingdom Society for Biomaterials, Leeds, United kingdom, 2002
 Biotechnologies for Spinal Surgery, Halle, Germany, 2002
 28th annual meeting of the Spine, Heraclion, Greece 2003
 International Society for the Study of the Lumbar Spine, Vancouver, Canada 2003
 Annual meeting of the Spine Society of Europe, Prague, Czech Republic 2003
 Non-Fusion techniques in Spinal Surgery, Bordeaux, France 2003
 Bi-annual meeting of the Brazilian Spine Society, Fortaleza, Brazil 2003
 International Society for the Study of the Lumbar Spine, Porto, Portugal 2004
 Annual meeting of the Spine Society of Europe, Porto, Portugal 2004
 Annual meeting of the Spine Society of Australia, Coolom, Australia, 2004
 Non-Fusion Technologies, Milan, 2004
 10th Teesside Spine Symposium, Leeds, 2004
 International Society for the Study of the Lumbar Spine, New York, USA 2005
 Annual meeting of the Spine Society of Europe, Barcelona, Spain 2005
 International Society for the Study of the Lumbar Spine, Bergen, Norway 2006
 Controversies and progress in Spinal Surgery, Zakopane, Poland, 2006
 Annual meeting of the Spine Society of Europe, Istanbul, Turkey 2006
 International Society for the Study of the Lumbar Spine, Hong Kong, China 2007
 Annual meeting of the Spine Society of Europe, Brussels, Belgium 2007
 Inspiration Annual Meeting, Chantilly, France 2007
 XX Orthopaedic days of ST Joao Hospital, Porto, Portugal, 2007
 Second Chinese conference on Minimally Invasive Spine Surgery, Schangsha China 2007
 V International Symposium La Luz Clinic, Madrid, Spain, 2007
 Creta Club Meeting, Lisbon, Portugal, 2007

Biospine 2, Leipzig, Germany, 2007
International Society for the Study of the Lumbar Spine, SpineWeek, Geneva, Switzerland 2008
Annual meeting of the Spine Society of Europe, SpineWeek, Geneva, Switzerland 2008
Inspiration Annual Meeting, Rome, Italy 2008
Annual Meeting Chinese Spine Society, Beijing China 2008
VI International Symposium La Luz Clinic, Madrid, Spain, 2008
Creta Club Meeting, Verona, Italy, 2008
Annual meeting of the Spine Society of Australia, Adelaide, 2008
VIII congresso de cirurgia espinal, Sao-Paulo, Brazil, 2008
3rd International congress of spine deformity and non fusion techniques, Changhai, China, 2008
International Society for the Study of the Lumbar Spine, Miami, USA 2009
Annual meeting of the Spine Society of Europe, Warsaw, Poland 2009
VII International Symposium La Luz Clinic, Madrid, Spain, 2008

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Anterior lumbar fusion. 12th Orthopaedic day of Brugmann, 1993

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R. Gunzburg

Animal Model for Anterior Lumbar Spinal Fusion, Hamburg, September, 1996

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Anterior cervical Plating, 1st combined meeting of the European Spine Society and European Spinal Deformities Society (EuroSpine), Zurich, 1996

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Influence of lumbar braces on sometric and dynamic characteristics of trunk function,
International Society for the Study of the Lumbar Spine, Singapore, 1997

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Cervical plating, Instructional course on spine surgery, Istituto Ortopedico Rizzoli, Bologna,
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Laparoscopic BAK implanting, Instructional course on spine surgery, Istituto Ortopedico
Rizzoli, Bologna, April 1997

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Advances in Spinal Fixation, Institution of Mechanical Engineers, London, April 1997

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Prospective randomised double blind functional assessment of the efficacy of a NSAID in
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Use of BAK anterior cages for failed fusion revisions, Annual meeting of the European Spine Society, Kos, September, 1997

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R. Gunzburg

Indication and technique for surgery in non radicular back pain, AO Spine course, Davos, Switzerland, 1998

R. Gunzburg

Spinal stenosis, AO Spine course, Davos, Switzerland, 1998

R. Gunzburg

The in situ fusions for spondylolisthesis, Deformities and degenerative diseases of the spine, current concepts and perspectives, Munster 1998

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Definition and diagnosis of degenerative instability, Deformities and degenerative diseases of the spine, current concepts and perspectives, Munster 1998

R. Gunzburg

State of the art in Lumbar Spinal Stenosis, International meeting on hip, knee and spine surgery, Interlaken, Switzerland 1998

R. Gunzburg

Rotational spinal injuries, The Middlesbrough Spine symposium, Middlesbrough, United Kingdom, 1998

Keller, M. Szpalski, R. Gunzburg, F. Michel

Motion Analysis in spinal stenosis, 5th BISS (Brussels International Spine Symposium), 1998

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Technical modalities of spondylodesis, Journées du Rachis de l'Hôpital Beaujeon, Paris, 1998

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Revision for failed lumbar and lumbosacral surgery using laparoscopically inserted cages, 2nd International Roy-Camille Meeting on Spine, Paris, 1998.

R. Gunzburg, C. Melot, F. Balagué, M. Nordin, M. Szpalski
Low Back Pain in School Children: a Prospective Longitudinal Study, Grenoble, 1999

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Lombalgies chez les écoliers: une étude longitudinale prospective, Le dos de l'enfant et de l'adolescent et la prévention des lombalgies, Grenoble, 1999.

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The single expert, a view from Belgium, 6th Teesside Spine Symposium, Leeds, 2000.

R. Gunzburg
Chronic low back pain: case studies, ECMT (European Continual Medical Training), Antwerp 2000.

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Spondylolysis, spondylolisthesis and their medico-legal implications, 6th Teesside Spine Symposium, Leeds, 2000.

R. Gunzburg

The surgical techniques of anterior cervical fusion without internal fixation, Royal College of Surgeons, London, 2000.

R. Gunzburg, M. Szpalski

Lumbar spinal stenosis: etiology, etiopathogenesis, clinical presentation, diagnosis, medical and surgical treatment, 26th Annual meeting of the Chilean Orthopaedic and Trauma Society, November, 2000

R. Gunzburg

Biomechanics of flexion-rotation in the lumbar spine, 26th Annual meeting of the Chilean Orthopaedic and Trauma Society, November, 2000

R. Gunzburg

Spondylolysis, spondylolisthesis and degenerative spondylolysthesis. Back Pain and Disability: Unraveling the puzzle, Physical Medicine Research Foundation, New-York, 2000

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Theoretical overview of the various methods of lumbar fusion and their approaches, Belgian Society for Orthopaedics and Traumatology, Namur, 2000.

R. Gunzburg

Initial assessment of Whiplash, International Congress on Whiplash Associated Disorders, Bern, March 2001

R. Gunzburg

State of the art in spinal surgery, 8th Annual meeting of the Brazilian Spine Society, April, 2001

R. Gunzburg, M. Szpalski

Disc herniation in the third millennium, 8th Annual meeting of the Brazilian Spine Society, April, 2001

R. Gunzburg

Experience with Vitoss, First International Symposium on Advanced Spine Surgery, Instituto Ortopedica Galeazzi, Milan, Italy 2001

R. Gunzburg, M. Szpalski

L'instabilité Lombar, mythe ou réalité, Société Française du Rachis, Paris, France 2001

M. Szpalski, R. Gunzburg

Les prothèses discales, Actualité Médicale du Rachis, Paris, France 2001

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C. Colloca, T. Keller, R. Gunzburg

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M. Szpalski, P.-Y. Descamps, J.-P. Hayez, R. Gunzburg

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R. Gunzburg

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R. Gunzburg

Do medical journals help us in the day to day practice? Annual meeting Spine Society of Australia. Coolum, Australia, 2004

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Management of spondylolysis. 10th Teesside Spine Symposium, Leeds 2004

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The surgical approach in lumbar disc replacement, Davos 2005

C. Colloca, T. Keller, D. Harrison, R. Moore, R. Gunzburg, D. Harrison

Neuromuscular contributions to dynamic posteroanterior lumbar spinal stiffness. 32nd Annual Meeting of the International Society for the Study of the Lumbar Spine, New York, NY, 2005

T. Keller, C. Colloca, D. Harrison, R. Moore, R. Gunzburg, D. Harrison

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- C. Colloca, T. Keller, R. Moore, R. Gunzburg, D. Harrison, D.
Experimentally induced disc degeneration reduces vertebral motions and neuromuscular responses during lumbar spinal manipulation: an animal model. Sydney, Australia, 2005
- C. Colloca, T. Keller, R. Moore, D. Harrison, R. Gunzburg
Validation of a non-invasive dynamic spinal stiffness assessment methodology in an animal model of intervertebral disc degeneration. Chicago, USA, 2006
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Neuromuscular and vertebral motion responses are reduced by intervertebral disc degeneration. ISSLS, Bergen, Norway, 2006
- R. Gunzburg, M. Szpalski, M. Dubois, C. Mélot
Surgeon dependent cost of fusion and decompression: a population study. ISSLS, Bergen, Norway, 2006
- R. Gunzburg
Biomechanics and ethiology of spinal stenosis, V Symposium clinica La Luz, Madrid, Spain, 2007
- R. Gunzburg
Spinal stenosis in the elderly, V Symposium clinica La Luz, Madrid, Spain, 2007
- R. Gunzburg
Minimal invasive technique in Spinal stenosis, V Symposium clinica La Luz, Madrid, Spain, 2007
- R. Gunzburg
Outcomes and economy in spine surgery, Inspiration, Chantilly, France, 2007
- R. Gunzburg
Lumbar Spinal Instability, the ABC approach, VI Symposium clinica La Luz, Madrid, Spain, 2008
- R. Gunzburg
Lumbar Degenerative spondylolisthesis, VI Symposium clinica La Luz, Madrid, Spain, 2008
- R. Gunzburg
Effect on intervertebral motion of a novel minimally invasive interspinous implant, Spine Society of Australia, Adelaide, 2008
- R. Gunzburg
Lumbar Spinal Stenosis, VIII Congresso de cirurgia espinahal, Sao-Paulo, Brazil, 2008

R. Gunzburg

Non-fusion technique in degenerative disc disease, Chinese International Spine Forum, Beijing, China, 2008

R. Gunzburg

Intervertebral disc degeneration reduces vertebral motion responses, 3rd International congress of spine deformity and non fusion techniques, Changhai, China, 2008

R. Gunzburg

EuroSpine Society Presidential Lecture at SpineWeek: Medical meetings and conferences, the past, the present, the future, Geneva, Switzerland, 2008

NATIONAL COMMUNICATIONS

R. Gunzburg, S. Boulvin, L. Mokassa, J. Wagner

Les prothèses de Moore, Enseignement CELO, 1987

R. Gunzburg

Intradiscal Surgical techniques and pedicle pathology, Hôpital de Tivoli, La Louvière, Belgium, 1991

R. Gunzburg

History and orthopaedic examination of the lumbosacral spine, Symposium EFKA, 1994

R. Gunzburg

Spinal stenosis, when to fuse? Symposium EFKA, 1994.

R. Gunzburg

Rughygiène, Hef- en Til-technieken, Eeuwfeestkliniek Antwerpen, 1996

R. Gunzburg

Cinématique de la colonne, EIBAL XII^o session, March 1997

R. Gunzburg

Pathogenesis and diagnosis of discogenic degenerative pain, Symposium Antwerp University, 1998.

R. Gunzburg

Use and usefulness of discography, Antwerp, 1999.

R. Gunzburg

Medicolegal aspects of spinal stenosis, Antwerp, 1999.

R. Gunzburg

Etiology, Pathogenesis and Medicolegal aspects of spondylolysis, Brussels, 1999.

R. Gunzburg

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Definition and etiopathogenesis of spinal stenosis, Brussels, 2007

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