

CURRICULUM VITAE

Marek SZPALSKI

Born 19-4-1952 in Krakow, Belgian nationality

Languages : Fluent: French, English, Polish

Basic knowledge : Dutch, German

Medical Education

Doctor in Medicine, Magna Cum Lauda, Free University of Brussels, 1977,

Master in Surgery, Free University of Brussels, 1982

Agreation in Orthopedic Surgery, Ministry of Public Health, 1983

Clinical positions

-1977-1982 : Resident, Service of Surgery, Hôpital de Saint Gilles, Brussels

-1982-1983 : Assistant, Department of Orthopaedic Surgery, Hôpital de Saint Gilles, Brussels

-1984-1986 : Chief of Department of Orthopaedic Surgery, Hôpital Paul Igamba, Port-Gentil, Gabon. Teaching Hospital for University of Libreville (Gabon) and University of Tours (France). Important center for major trauma surgery (from oil and forest related industries) as well as neuro-orthopedics

-1984-1986: Retained trauma surgeon for major oil related companies: Tenneco Oil, Global Marine Drilling, Western Oceanic,

-1987-2003 : Adjoint (Senior Consultant), Department of Orthopaedic Surgery, Iris South Teaching Hospitals - Centre Hospitalier Molière Longchamp, Teaching Hospitals of the Free University of Brussels.

-July 2003 to date : Chairman of the Department of Orthopaedic and Trauma Surgery, Iris South Teaching Hospitals, Teaching Hospitals of the Free University of Brussels.

-April 2007 to date: Coordinator of Surgical Departments, Iris South Hospitals/Molière Longchamp

Teaching and research positions

-November 1990 to date : Stagemester, (Associate Clinical Professor). Department of Biomedical Sciences/Manual Therapy, Vrije Universiteit Brussel

-November1990 to date: Gastdocent, (Associate Visiting Professor) Vrije Universiteit Brussels

-April-September 1990: Visiting Scholar in the Department of Orthopaedics and Rehabilitation , Vanderbilt University (Nashville, USA).

-October 1990 to date : Adjunct Assistant Professor of Orthopaedics and Rehabilitation, Vanderbilt University (Nashville, USA).

-September 1993 - March 2001: Senior Scientist, Department of Orthopaedics, Hospital for Joint Diseases, New-York University

-February 1999 to September 2001 : Maître de Conférence,(Associate Professor) School of Medicine, Free University of Brussels

-April 2001 to date: Adjunct Associate Professor of Orthopaedics, School of Medicine, New York University

- October 2001 to date: Chargé de Cours (Tenured Associate Professor) of Orthopedic Seminars and Exercises, School of Medicine, Free University of Brussels

-October 2006 to date: Member of the Health Ministry Commission for the approval of orthopedic specialists

-Octobre 2008 à ce jour: Member of the Scientific Advisory Board of the Department of Orthopedics of China Capital Medical University, Beijing

Scientific Societies Membership

Member of the Société Internationale de Chirurgie Orthopédique et Traumatologique

Member of Société Belge de Chirurgie

Fellow of the International College of Surgeons

Member of the European Spine Society

Scientific Officer

Member of Education Committee

Chairman of 1997 Program Committee

Member of Spineweek Committee

Member of the Society for Back Pain Research

Member of Executive committee 1993-1995

Member of the International Society for the Study of the Lumbar Spine

Member and Chairman of Site Committee, 1992-1994

Member and Chairman of Fellowships Committee, 1996-1998

Secretary 1999-2002

Second Vice President 2002-2003

First Vice President 2003-2004

President 2004-2005

Member of the Orthopaedic Research Society

Editorial memberships

European Spine Journal: Member of Editorial Board

Guest Editor 10-S1;2001, 11-S2; 2002, 12-S2, 2003

Deputy Editor in Chief 2005 to date

Spine: Member of Advisory Editorial Board
Clinical Biomechanics : Member of Editorial Board
Journal of Spinal Disorders : Member of Editorial Board
Advances in Osteoporotic Fracture Management : Member of Editorial Advisory Board
Coluna Vertebral: Foreign Correspondent

Congress (Co) Chairman:

- The Lumbar Spine a Basic Science Approach. International Symposium of the International Society for the Study of the Lumbar Spine, Brussels 1994,
- The First Instructional Course of the European Spine Society, Brussels 1994.
- Instrumented Fusion of the Lumbar Spine, International Symposium, Brussels 1995
- Whiplash '96, International Symposium, Brussels 1996
- 4th Brussels International Spine Symposium, Lumbar Segmental Instability: Fact or Fiction, Brussels 1997
- 25th Annual Meeting of the International Society for the Study of the Lumbar Spine, Brussels 1998
- 5th Brussels International Spine Symposium, Lumbar Segmental Stenosis, Brussels 1998
- 6th Brussels International Spine Symposium, Degenerative and Inflammatory Cervical Spine, Brussels 1999
- Eurospine 2000, Antwerp, October 2000
- 7th Brussels International Spine Symposium, Disc Herniation in the Third Millenium, Brusels 2000
- 8th Brussels International Spine Symposium, Vertebral Osteoporotic Compression fractures, Brussels, 2001
- 9th Brussels International Spine Symposium, Degenerative Disc... Disease ?, Brussels, 2002
- 10th Brussels International Spine Symposium, The Failed Spine, Brussels, 2002
- Spineweek 2004, Porto, 2004
- Non Fusion Techniques in Spinal Surgery, Milano 2004
- 11th Brussels International Spine Symposium, Spondylolysis and Spondylolisthesis, Brussels, 2004
- 12th Brussels International Spine Symposium, Non Fusion Technologies, Brussels, 2005
- 16th ISSLS Instructional Course, Ho Chi Minh City, Vietnam, 2005
- 13th Brussels International Spine Symposium, Brussels, November 2006
- 14th Brussels International Spine Symposium, Surgery for low back pain, Brussels 2007
- 1st Neuromechanical Spine Symposium, Cambridge, 2008
- 15th Brussels International Spine Symposium, Surgery for low back pain, Brussels 2008
- 16th Brussels International Spine Symposium, Brussels 2009

Session Chairman and/or Moderator at international meetings :

European Congress of Surgery, Paris 1990
Acta Therapeutica Benelux Congress, Gent 1991
European Spine Society, Cambridge 1992
Eurokine, Brussels 1992
Society for Back Pain Research, Manchester 1993
Journées du Rachis, Paris 1994
European Spine Society, Madrid 1994
Recent Advances in the Treatment of Low Back Pain, New-York 1996

International Society for the Study of the Lumbar Spine, Burlington 1996
 International Society for the Study of the Lumbar Spine, Singapore 1997
 European Spine Society, Kos 1997.
 Middlesborough Spine Symposium, Middlesborough 1998
 International Society for the Study of the Lumbar Spine, Brussels 1998
 International Society for the Study of the Lumbar Spine, Hawaii 1999
 Spine Society of Europe, München 1999
 Whiplash Associated Disorders, Tel Aviv 1999
 International Society for the Study of the Lumbar Spine, Adelaide 2000
 Eurospine 2000, Brussels 2000
 New Developments in Skeletal Reconstruction, Göteborg 2001
 International Society for the Study of the Lumbar Spine, Edinburgh 2001
 Eurospine 2001, Göteborg 2001
 International Society for the Study of the Lumbar Spine, Cleveland 2002
 Eurospine 2003, Prague , October 1-4, 2003
 Non Fusion Technologies in Spinal Surgery, Bordeaux, 2003
 1st Spinal Advanced Course, Budapest, May 29-31, 2003
 8th Mc Kenzie Institute International Conference, Rome, September 12-14, 2003
 Spineweek, Porto, May 30-June 5, 2004
 Non Fusion Techniques in Spinal Surgery, Milano 2004
 International Society for the Study of the Lumbar Spine, New York, 2005
 Eurospine 2005, Barcelona , September 2005
 10th Spine Seminar and Training Course, Ho Chi Minh City, December 9-10,2005
 International Society for the Study of the Lumbar Spine Meeting, Bergen, June 13-17, 2006
 10th International Symposium. New Horizons in Spine Surgery, Lisbon, April 19-21
 International Society for the Study of the Lumbar Spine Meeting, Hong Kong, June 10-13, 2007
 22nd Annual Meeting of the North American Spine Society, Austin, October 23-27,2007
 Instructional course of the ISSLS and ASSI, Coimbatore (India), January , january 1-19, 2008
 Spineweek 2008, Geneva, May 26-30, 2008
 8th Inspiration Meeting, Rome, 2008
 International Masters Spine Symposium and Cadaver Workshop, London 2009
 9th Inspiration Meeting, Monaco, 2009
 Rome Spine, Rome 2009

Invited Lecturer at international meetings:

Amsterdam (1989), Antwerp (1989), Birmingham (1990,1992), Chattanooga (1990), Bristol (1990), New-York (1990,1991), Sao Paulo (1990), Dallas (1991), Tarragona (1991), Budapest (1992), Münster (1993), Sevilla (1993), Hiltonhead (1993), Paris (1994), Madrid (1995), Fribourg (1995), Bilbao (1996), New-York (1996), Liverpool (1996), Lisbon (1997), Middlesborough (1998), Zaragoza (1998), Paris (1998), Vancouver (1999), Tel Aviv (1999), Adelaide (2000), London (2000), Leeds (2000), Manchester (2000), New-York (2000), Göteborg (2001), Paris (2001), Ribeirao-Preto (Brazil)(2001), Nantes (2002), Lucerne (2002), Barcelona (2003), Basel (2003), Bordeaux (2003), Budapest (2003), Rome(2003), Maastricht (2003), Nice (2003), Margarita-Venezuela (2003), Montreux (2003), Leeds (2004), Milano (2004), Manchester (2005), Ho Chi Minh City (2005), Bordeaux (2006), Burgos (2006), Curitiba (Brazil) (2006), Zakopane (Pol) 2006, Porto de Galinhas(Brazil)

(2007), Lisbon (2007), Johannesburg (2007), Athens (2007), Madrid (2007), Coimbatore (India)(2008), Cartagena (Columbia)(2008), Beijing (2008), Rome (2008), Madrid (2008), Lyon (2008), Miami (2009), London (2009), Kingston (2009), Tianjin (China) (2009), San Francisco (2009), Bucharest (2009), Madrid (2009), Rome (2009), Lyon (2009) and numerous national and international meetings in Belgium.

PUBLICATIONS

1. Tendinites corporeales et ostéotendinites d'insertion, essai de définition des lésions et de leur traitement chirurgical.

M. Dupont, J.L. Pasteels, M. Duchateau, M. Szpalski
Acta Orthop. Belg., 1983, 49: 30-41

2. Diagnostic et surveillance échographique des abcès amibiens du foie.

Ph. de Pradel de la Maze, D. Levi, M. Szpalski, J.L. Michel
Radiol 66: 254, 1985

3. Evaluation fonctionnelle dynamométrique de l'efficacité des AINS dans le traitement de la lombalgie aiguë. Etude randomisée sur 110 cas.

Szpalski M., J.P. Hayez, S. Poty, J.P. Debaize
Rev Rhum Mal Osteoartic 57: 708, 1990

4. Newer Assessment Approaches for the Patient with Low Back Pain.

Spengler D.M, Szpalski M.
Contemp Orthop. 21:371-378, 1990

5. Intérêt de l'Examen Fonctionnel Dynamométrique dans l'Evaluation des Pathologies Lombaires.

Szpalski M., Hayez J.P, Poty S, Debaize J.P.
Rev Franç Dommage Corp, 16: 663-672 , 1990

6. Evaluation fonctionnelle des troubles lombaires

M. Szpalski, J.P. Hayez, S. Poty, J.P. Debaize
Consilio Manuque, Rev Bel Dommage Corp, 17: 23-36, 1990

7. Dynamic Measurements of the Functionnal Improvement of Acute Low-Back Pain Patients Treated with Tenoxicam. A Prospective Controlled Study on 110 Patients.

Szpalski M., Poty S., Hayez J.P.
Neuro Orthop 10 :41-47, 1990

8. Surgery, AIDS and Hepatitis B (Letter)

M. Szpalski
JAMA, 266: 1361, 1991

9. Functionnal assessment of transitory reduction of the capacity of the spinal canal due to bulging disc of facet hypertrophy

M. Szpalski, J.P. Hayez, S. Poty
Proceedings of the Society for Back Pain Research 1991: 97-98

10. Etude dynamométrique de la fonction lombaire dans une population de puéricultrices. Objectivation, ergonomie et revalidation.

P. Carlier, M. Szpalski, F. Vanderbecken, J.P. Hayez
Cahiers Med Travail 28: 183-187, 1991

11. Reproducibility of trunk isoinertial dynamic performance in low-back pain patients.

Szpalski M., Federspiel C., Hayez J.P., Debaize J.P.
J Spinal Disord 5:76-85, 1992

12. Attitude des chirurgiens et anesthésistes Belges devant le risque de contamination par HIV. Une enquête d'opinion

M.Szpalski, A. F.Grumbers, D.Cukier
Acta Chir Bel 92: 159-163, 1992

13. How many days of bed-rest for acute low back pain? Objective assessment of trunk function.

M.Szpalski, J.P.Hayez
Eur Spine J 1: 29-31, 1992

14. Prevention of bone loss and muscle atrophy during manned space flights.

T.S.Keller, A.M.Strauss, M.Szpalski
Microgravity Q 22: 89-102, 1992

15. Back testing devices.

M.Szpalski
BMJ 305: 650, 1992

16. Evaluation fonctionnelle dynamométrique des lombalgies dans une population de puéricultrices. A propos de 50 cas.

P. Carlier, M. Szpalski, F. Vanderbecken
Actes Medecine du Travail Epidemiologie Ergonomie, 38-39, 1992

17. Interpretation and parametrization of dynamic trunk isoinertial movements using an ensemble averaging technique.

T.Keller, M.Szpalski, D.Spengler
Clin Biomech 8: 220-222, 1993

18. Isoinertial functional assessment of low-back disorders in paediatric nurses. Ergonomic and rehabilitation guidelines.

P. Carlier, M.Szpalski, F. Vanderbecken, J.P. Hayez
J Occup Rehabil, 2: 131-138, 1992

19. L'évaluation de la fonction lombaire chez le sportif

M.Szpalski
Actualités Sport Med 26:15-16, 1993

20. Sociocultural factors and back pain: a population-based study in Belgian adults.

M.L.Skovron, M.Szpalski, M.Nordin, C.Melot, D.Cukier
Spine 19: 129-137, 1994

21. Objective functional assessment of the efficacy of tenoxicam in the treatment of acute low back pain. A double blind placebo controlled study.

M.Szpalski, J.P.Hayez
Br J Rheumato 33: 74-78, 1994

22. Combien de jours de repos pour une lombalgie aigue. Etude fonctionnelle sur deux groupes de patients
M.Szpalski, JP Hayez
Rev Med Orthop 37: 15-18, 1994
23. Trunk strength testing with iso-machines. (letter)
M.Szpalski
Spine 19: 996-997, 1994
24. Die funktion der rumpfmuskulatur bei hochleistungsrudern (Function of the trunk musculature in elite rowers)
G.Muller, E. Hille, M.Szpalski
Sportverletz Sportschaden 8: 134-142, 1994
25. Health care utilization for low back pain in Belgium: influence of socio-cultural factors and health beliefs
M.Szpalski, M.Nordin, ML Skovron, C. Mélot, D.Cukier
Spine, 20: 431-442, 1995
26. A biomechanical model of the lumbar spine during upright isometric flexion, extension and lateral bending.
DC. Guzik, TS. Keller, M. Szpalski, J.Parks, DM. Spengler
Spine , 21: 427-433, 1996
27. Determination of trunk motion patterns associated with permanent or transient stenosis of the lumbar spine.
M.Szpalski, F. Michel, J.P. Hayez
Eur Spine J, 5: 332-337, 1996
28. Facet joints injections
R. Gunzburg, M. Szpalski
Bull Hosp Jt Dis , 55:173-175, 1996
29. The mysteries of segmental instability
M. Szpalski
Bull Hosp Jt Dis 55: 147-148, 1996
30. Classification of low back pain from dynamic motion characteristics using an artificial neural network
JB. Bishop, M.Szpalski, SK. Ananthraman, DR. Mc. Intyre, MH. Pope
Spine 22: 2991-2998, 1997
31. Methods of trunk testing
M. Szpalski, R. Gunzburg
Semin Spine Surg, 10 :104-11, 1998
32. The role of surgery in the management of low back pain.
M. Szpalski, R. Gunzburg
Baillieres Clin Rheumatol , 12:141-159, 1998

33. Intelligent diagnostic system for low back pain using dynamic motion characteristics
J.B. Bishop, S.K. Ananthraman, D.R. Mc. Intyre, M. Szpalski, M.H. Pope
J Intelligent Systems, 8: 185-202, 1998
34. Range of motion and motion patterns in LBP patients before and after rehabilitation.
M.L. Magnusson, J.B. Bishop, L. Hasselquist, K.F. Spratt, M. Szpalski, M.H. Pope
Spine 23: 2631-2639, 1998
35. Electromyographic changes under whiplash loading.
M.H. Pope, M. Magnusson, A. Aleksiev, L. Hasselquist, K. Spratt, M. Szpalski, V.K. Goel,
N. Panagiatocopoulos.
Biom Hlth R, 21; 338-343, 1998
36. Is there a rational basis for post-surgical lifting restrictions ?
M.L. Magnusson, M.H. Pope, M. Szpalski, D.G. Wilder, K. Spratt
Eur Spine J, 8:170-178, 1999
37. Low back pain in a population of school children.
R. Gunzburg, F. Balagué, M. Nordin, M. Szpalski, D. Duyck, D. Bull, C. Mèlot
Eur Spine J. 8(6):439-43, 1999
38. Alf L. Nachemson: The First ISSLS-Stryker Spine Lifetime Achievement Award
Recipient.
M. Nordin, M. Szpalski, S. Wiesel, E. Hanley
Spine 25:II-III, 2000
39. L'instabilité lombaire: mythe ou réalité
R. Gunzburg, M. Szpalski
Rev Med Vertébrale, 2:12-15, 2000
40. John W. Frymoyer: The Second ISSLS-Stryker Spine Lifetime Achievement Award
Recipient.
R. Deyo, M. Liang, M. Nordin, M. Szpalski, J. Weinstein, H. Yosizawa
Spine 26:1303-1305, 2001
41. Bone substitutes and biomaterials: the new frontiers in spine surgery (Editorial)
R. Gunzburg, M. Szpalski, N. Passuti, M. Aebi
Eur Spine J 10: S85, 2001
42. Le disque artificiel: un état des lieux
M. Szpalski, R. Gunzburg
Rev Med Vertébrale 3: 20-24, 2001
43. Prevention of hip screw cut-out in osteoporotic patients. Rationale and review of the
literature.
M. Szpalski, R. Gunzburg
Bull Hosp Jt Dis 60: 84-88, 2001

44. Vertebral osteoporotic compression fractures
M. Szpalski, R. Gunzburg
Adv Osteoporotic Fract Management 1:70-72, 2001
45. What are the advances for surgery of spinal inflammatory disorders
M. Szpalski, R. Gunzburg
Best Pract Res Clin Rheum 16; 141-154, 2002
46. A 2-Year Prospective longitudinal study on low back pain in primary school children
M. Szpalski, R. Gunzburg, F. Balagué, M. Nordin, C. Mélot
Eur Spine J 11; 459-464, 2002
47. Applications of Calcium Phosphate-Based Cancellous Bone Void Fillers in Trauma Surgery
M. Szpalski, R. Gunzburg
Orthopedics 25;S601-609, 2002
48. Use of a Novel b-Tricalcium Phosphate-Based Bone Void Filler as a Graft Extender in Spinal Fusion Surgeries
R. Gunzburg, M. Szpalski
Orthopedics 25; S591-S595, 2002
49. Gunnar B.J. Andersson. The third ISSLS-Stryker Lifetime Achievement Award Recipient
R. Deyo, M. Liang, B. Rydevik, M. Szpalski, JN. Weinstein, H. Yoshizawa
Spine 27; 1009-1011, 2002
50. The impact factor: publish, be cited or perish... (Editorial)
R. Gunzburg, M. Szpalski, M. Aebi
Eur Spine J 11(S1); s1, 2002
51. Spinal arthroplasty: the long quest for mobility (Editorial)
R. Gunzburg, M. Mayer, M. Szpalski, M. Aebi
Eur Spine J, 11S; S63-64, 2002
52. Spinal arthroplasty: a historical review
M. Szpalski, R. Gunzburg, M. Mayer
Eur Spine J, 11S; S65-84, 2002
53. Prótese de disco intervertebral
M. Szpalski, R. Gunzburg
Coluna 1; 67-72, 2002
54. Assessment of Trunk Function in Single and Multilevel Spinal Stenosis: A Prospective Clinical Trial
T.S. Keller, M. Szpalski, R. Gunzburg, K.F. Spratt
Clin Biomech 18;173-181, 2003

55. Time interval is not adequate for low back pain sufferers. (Letter)
M. Szpalski
Clin Biomech (Bristol, Avon). 2002 Oct;17(8):618
56. Clinical and Psychofunctional Measures of Conservative Decompression Surgery for Lumbar Spinal Stenosis: A Prospective Cohort Study
R. Gunzburg, TS Keller, M. Szpalski, K. Vandeputte, K. Spratt
Eur Spine J, 12:197-204, 2003
57. Unethical research contracts: just say no (Editorial)
M. Szpalski, R. Gunzburg, M. de Kleuver
Eur Spine J 2003;12:107
58. Initial assessment in whiplash patients
R. Gunzburg, M. Szpalski, V. Goethem
Pain Res Manag 8:24-27, 2003
59. A prospective study on CT scan outcome after conservative decompression surgery for lumbar spinal stenosis
R. Gunzburg, T.S. Keller, M. Szpalski, K. Vandeputte, K.F Spratt
J Spinal Disord Techn, 16:261-7, 2003
60. Aging of the population: a growing concern for spine care in the 21st century
M. Szpalski, R. Gunzburg, C. Mèlot, M. Aebi
Eur Spine J, 12:S81-83, 2003
61. Spinal stenosis in the elderly: an overview
M. Szpalski, R. Gunzburg
Eur Spine J, 12:S170-S175, 2003
62. The conservative surgical treatment of spinal stenosis in the elderly.
R. Gunzburg, M. Szpalski
Eur Spine J, 12: S176-S180, 2003
63. Prevention of lag screw cut-out in trochanteric fractures: literature review and initial clinical results.
M. Szpalski, PY Descamp, JP Hayez, E. Raad, TS Keller
J Orthop Trauma, 18:34-40, 2004.
64. A predictive model for outcome after conservative decompression surgery for lumbar spinal stenosis.
KF Spratt, TS Keller, M Szpalski, K. Vandeputte, R. Gunzburg
Eur Spine J. 2004;13:14-21, 2003
65. Postgraduate educational programs and the role of specialist's societies.
Balague F, Szpalski M, Gunzburg R.
Eur Spine J. 2004;13:183

66. Comments on: Dislocations with intervertebral disc prosthesis: two case reports. S. Aunoble, P. Donkersloot, JC Le Huec.
Szpalski M.
Eur Spine J. 2004;13:468
67. Research and evidence about blood sparing in spine surgery.
Szpalski M, Gunzburg R, Aebi M, Weiskopf R.
Eur Spine J. 2004;13 Suppl 1:S1-2
68. An overview of blood-sparing techniques used in spine surgery during the perioperative period.
Szpalski M, Gunzburg R, Sztern B.
Eur Spine J. 2004;13 Suppl 1:S18-27
69. After the dust settles.
Gunzburg R, Szpalski M, Wilke HJ, Aebi M.
Eur Spine J. 2005; 14:1
70. Recombinant human bone morphogenetic protein-2: a novel osteoinductive alternative to autogenous bone graft ?
M. Szpalski, R. Gunzburg
Acta Orthop Belg 2005;71:133-148
71. Percutaneous vertebroplasty and balloon kyphoplasty for the treatment of osteoporotic vertebral compression fractures and osteolytic tumours.
AG. Hadjipavlou, MN. Tzermiadianos, PG. Katonis, M. Szpalski.
J Bone Joint Surg Br 2005 ;87 :1595-1604
72. Does it take two to tango
Gunzburg R, Szpalski M, Aebi M.
Eur Spine J. 2005 ; 14:919
74. Presidential address of the 32nd annual meeting of the International Society for the Study of the Lumbar Spine: spine care in a global world. A duality of priorities and challenges.
M. Szpalski
Spine;31:1515-1519
75. Controversies in new technologies: how should a scientific journal stand?
M. Aebi, R. Gunzburg, M. Szpalski
Eur Spine J. 2006 Jul;15:1033-4.
76. Ocena Biomechaniczna funkcji korekcyjno-stabilizującej polimerowo-poliestrowego stabilizatora (Biomechanical evaluation of corrective-stabilizing function of polymeric-polyester interspinous stabilizer.
L. Ciupik, I. Cecek, R. Gunzburg, A. Kierzkowska, M. Szpalski
Inżynieria Biomateriałów (Enginnering of Biomaterials) 2006; 58-60: 32-34

77. Alf Nachemson, MD, PhD, 1931-2006: an exceptional pioneer in spine care.
Rydevik B, Hansson T, Szpalski M, Aebi M, Gunzburg R.
Eur Spine J. 2007 ;16:303-5.
78. Multimodal intraoperative monitoring: towards a routine use in surgical treatment of severe spinal disorders.
Dvorak J, Sutter M, Eggspuehler A, Szpalski M, Aebi M.
Eur Spine J. 2007 ; 16:s113-114
79. Comparison between spinal surgery blood transfusion services costs and associated treatment practices in the United States and Belgium.
Blanchette CM, Joshi AV, Szpalski M, Gunzburg R, Bois MD, Donceel P, Saunders WB.
Curr Med Res Opin. 2007 ;23:1793-804
80. Recent developments in conservative surgical treatment of lumbar stenosis in the elderly
R. Gunzburg, M. Szpalski
Eur Muskuloskel Rev 2007 1; 68-69
81. Relations between surgeons and industry: the time of clarification has come.
Aebi M, Gunzburg R, Pellisé F, Szpalski M.
Eur Spine J. 2008; 17: 783-4
82. Whiplash injuries and associated disorders: new insights into an old problem.
Rydevik B, Szpalski M, Aebi M, Gunzburg R.
Eur Spine J. 2008 ;17 Suppl 3:S359-416
83. Patients at risk for long-term sick leave because of low back pain.
Du Bois M, Szpalski M, Donceel P.
Spine J. 2009; 9:350-9
84. Management of haemostasis in spine surgery
M. Szpalski, R. Gunzburg
Eur Muskuloskel Rev 2008 3; 53-57
85. Effect of a novel interspinous implant on lumbar spinal range of motion
R. Gunzburg, M. Szpalski, SA Callary , CJ Colloca, Kosmopoulos, D Harrison, RJ Moore
2009; 18:696-703
86. The burden of blood transfusion in knee and hip surgeries in the U.S. and Belgium
Blanchette CM, Ashish VJ, Szpalski M, Gunzburg R, Du Bois M, Donceel P, Saunders WB
J Med Economics 2009 ;12 :171-179
87. State of the art and advances in interspinous implants
M. Szpalski, R. Gunzburg, RJ Moore, CJ Colloca
J Orthop Surg Rel Res 2009;4(16):73-2-79

88. Detection, evaluation, and management of preoperative anemia in the elective orthopedic surgical patient—NATA guidelines
LT Goodnough, A Maniatis, P Earnshaw, G Benoni, P Beris, E Bisbe, DA Fergusson, H Gombotz, O Habler, TG Monk, Y Ozier, R Slappendel, M Szpalski
Transfusion, In press

BOOKS

1. Instrumented fusion of the degenerative lumbar spine.
M. Szpalski, R. Gunzburg, D.M. Spengler, A. Nachemson (Eds)
Lippincott-Raven Publishers, Philadelphia, 344pp, 1996
2. Whiplash injuries
R. Gunzburg, M. Szpalski (Eds)
Lippincott-Raven Publishers, Philadelphia , 356 pp , 1997
3. Lumbar segmental instability.
M. Szpalski, R. Gunzburg, M.H. Pope (Eds)
Lippincott Williams & Wilkins, Philadelphia, 314 pp, 1998
4. Lumbar Spinal Stenosis
R. Gunzburg, M. Szpalski (Eds)
Lippincott Williams and Wilkins, Philadelphia, 414 pp, 1999
5. The degenerative cervical spine
M. Szpalski, R. Gunzburg (Eds)
Lippincott Williams & Wilkins, Philadelphia, 338 pp, 2000
6. Lumbar Disc Herniation in the third millenium
R. Gunzburg, M. Szpalski (Eds)
Lippincott Williams & Wilkins, Philadelphia, 300 pp, 2002
7. The use of bone substitutes in spine surgery
R. Gunzburg, M. Szpalski, N. Passuti, M. Aebi (Eds)
Springer, Heidelberg, 136 pp, 2002
8. Vertebral Osteoporotic Fractures
M. Szpalski, R. Gunzburg (Eds)
Lippincott Williams & Wilkins, Philadelphia , 274 pp, 2003
9. Coluna Cervical Degenarativo. Diagnóstico e tratamento.
M. Szpalski, R. Gunzburg (Eds)
Reichmann & Affonso Editores, Rio de Janeiro, 384 pp, 2003
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International Society for the Study of the Lumbar Spine Meeting, Chicago, May 1992
65. Functional assessment of the efficacy of a non steroidal anti-inflammatory drug in the treatment of acute low back pain.
M.Szpalski, J.P.Hayez
International Society for the Study of the Lumbar Spine Meeting, Chicago, May 1992
66. Work satisfaction, fear avoidance and low back pain in nursing personnel.
P.Van Roy, E.Zinzen, J.Cabri, J.P.Clarijs, K.Burton, M.Szpalski, M.L.Skovron
International Society for the Study of the Lumbar Spine Meeting, Chicago, May 1992
67. Differences in isometric torques and velocities in low back pain patients with different professions and working postures.
P.Carlier, M.Szpalski, F.Vanderbecken, J.P.Hayez
International Society for the Study of the Lumbar Spine Meeting, Chicago, May 1992
68. Interpretation and parametrization of dynamic trunk isoinertial movements.
T.S.Keller, M.Szpalski, D.M.Spengler, J.P.hayez
International Society for the Study of the Lumbar Spine Meeting, Chicago, May 1992
69. Use of hyperbaric oxygen in the treatment of extensive non clostridial soft tissue infections
M.Szpalski, M.Nyst
European Congress of Surgery, Brussels, June 1992
70. An independent medical view
M.Szpalski
Medico-Legal Diagnosis and Quantification of Back Injuries Seminar. Birmingham. 29/5/92
71. Objective functional assessment of the Tenoxicam (Tilcotil) in acute low back pain. A double blind placebo controlled study.
M.Szpalski, J.P.Hayez
VII th European League Against Rheumatism Symposium, London, 22/24 July 1992

72. Evolution of trunk flexors and extensors fatigue during high velocity sagittal movements.
M.Szpalski, J.Ray, T. Keller, D.Spengler, J.P. Hayez, M. McNamara
Society for Back Pain Research, 30 October 1992, London
73. Measure of trunk function in the investigation and treatment of low back pain
M.Szpalski
Eurokine, 6-7 November 1992, Brussels
74. Interet d'un AINS dans le traitement de la lombalgie aigue, une étude double aveugle de l'évluation fonctionnelle objective.
M.Szpalski, J.P.Hayez
Veme Congrès Francais de Rhumatologie, 27 November 1992, Paris
75. Evaluation fonctionnelle du rachis lombaire dégénératif.
M.Szpalski
12eme Journée Orthopédique de L'Hôpital Universitaire Brugman
76. Condition of trunk muscles. Predictive value of findings.
M.Szpalski
Münsteraner Frühjars-Symposium, Symptom-Orientiertes Vorhegen beim Kreuz/Beimschmerz, Münster, 11-13 March 1993
77. Fixation externe à peu de frais. Réalisation locale dans les pays du tiers monde
M.Szpalski
European Congress of Orthopaedics, Paris, April 18-20,1993
78. Ostéotomie en queue d'aronde dans le traitement des syndromes d'hyperpression externe de la rotule. Technique et résultats sur 65 genoux.
J.P.Hayez, M.Szpalski
European Congress of Orthopaedics, Paris, April 18-20,1993
79. Musculature of the vertebral column. Isoinertial research.
M.Szpalski
Capita Selecta in Manuele Therapie en Orthopedische Geneeskunde, Brussels, 27/4/93
80. Evaluation fonctionnelle instrumentale des hernies discales
M.Szpalski
3eme Journée d'Evaluation du Dommage Corporel de Bruxelles, Brussels, 8/5/93
81. Assessment of trunk function in the investigation and treatment of low back pain
M.Szpalski
Curso de Avances en Rehabilitacion Isocineticos, Sevilla 27-29 May 1993
82. Isometric and isoinertial lifting performances in nursing personnel. Comparison of subjects with and without history of low back pain.
M.Szpalski, E. Zinzen, D. Caboor, J.P. Clarijs, P. Van Roy
International Society for the Study of the Lumbar Spine Meeting, Marseille June 1993

83. Patterns of isoinertial sagittal movements associated with specific pathologies.
M.Szpalski, F. Michel, J.P. Hayez
International Society for the Study of the Lumbar Spine Meeting, Marseille June 1993
84. NSAID's In acute low back pain ? Objective assessment of function.
M.Szpalski
XVIII ILAR Congress of Rheumatology, Barcelona 4-10 th July 1993
85. Is tennis service dangerous for the lumbar spine. A triaxial motion analysis.
M.Szpalski, F.Michel, J.P.Hayez
European Spine Society Annual Meeting, Bochum, September 16-18, 1993
86. Work satisfaction, sociocultural factors and back pain, a population based study in Belgian adults.
M.L.Skovron, M.Szpalski, M.Nordin, C.Melot, D.Cukier
European Spine Society Meeting, Bochum, September 16-18, 1993
87. Current research on the B200
M.Szpalski
Isoinertial Applications 93, Hiltonhead (SC), 30/9-2/10 1993
88. Dynamic lifting assessments
M.Szpalski
Isoinertial Applications 93, Hiltonhead (SC), 30/9-2/10 1993
89. L'évaluation de la fonction du tronc chez les sportifs
M.Szpalski
13eme Journées Internationales de Médecine du Sport, Charleroi, 8-9/10/93
90. Is tennis service dangerous for the lumbar spine. A triaxial motion analysis.
M.Szpalski, F.Michel, J.P.Hayez
Society for Back Pain Research Annual Meeting, London, October 15, 1993
91. Relation of spinal pathologies with sagittal movement patterns
M.Szpalski, F.Michel, J.P.Hayez
Society for Back Pain Research Annual Meeting, London, October 15, 1993
92. Migraine without aura: demographic and sociocultural factors. A population study in Belgian adults.
G.Bauherz, M.Szpalski, C.Mélot
Headache Epidemiology Seminar, Copenhagen November 19-20 1993
93. Etude des schemas de mouvement associés à la protrusion discale et au canal étroit.
M.Szpalski, F.Michel, J.P.Hayez
Congrès Français de Rhumatologie, November 23-26, Paris

94. Human trunk muscle performance: correlation to muscle geometry and vertebral density
T.S.Keller, D.D.Guzik, M.Szpalski, J.Park, D..M.Spengler
Orthopaedic Research Society Annual Meeting, February 21-24 1994, New Orleans
95. Applications of isoinertial trunk testing
M. Szpalski
First Seminar on Functional Assessment of Human Motor Performance, Brussels, April 30, 1994
96. L'exploration isoinertielle de la fonction lombaire
M.Szpalski
Colloque Chirurgicaux de l'AMUB, May 5, 1994, Montigny
97. Isoinertiele evaluatie van lage rug pijn
M.Szpalski
Technishe Evaluatie bil Rugklachten, May 31, 1994, Gent University, Gent
98. Combien de jours de repos pour une lombalgie aigue. Etude fonctionnelle sur deux groupes de patients
M.Szpalski, JP Hayez
Actualités Médicales du Rachis, June 4 1994, Paris
99. Relation of low back pain and depression, A population study in Belgian adults.
M. Szpalski, G. Bauherz, C. Mélot
International Society for the Study of the Lumbar Spine Meeting, Seattle June 21-24, 1994
100. A biomechanical model of the lumbar spine during upright isometric flexion, extension and lateral bending.
DC. Guzik, TS. Keller, M. Szpalski, J.Parks, DM. Spengler
The Lumbar Spine A basic Science Approach International Symposium, Brussels Aug 26-27, 1994
101. Evolution of trunk flexors and extensors fatigue during maximum velocity sagittal movements.
M.Szpalski, J.Ray, T.S.Keller, D.M.Spengler, J.P.Hayez , M.McNamara
The Lumbar Spine A basic Science Approach International Symposium, Brussels Aug 26-27, 1994
102. Health care utilisation in chronic vs. non chronic low back sufferers in the Belgian population.
M.Nordin, M.Szpalski, M.L. Skovron, C. Mélot, D. Cukier
European Spine Society Meeting, Madrid September 8-10, 1994
103. Objective assessment of the efficacy of Tenoxicam in acute low back pain using a novel graphical analysis of multivariate data.
C. Mélot, M.Szpalski, J.P.Hayez
European Spine Society Meeting, Madrid September 8-10, 1994

104. Relation of spinal pathologies with sagittal movement patterns
M.Szpalski, F. Michel, J.P. Hayez
European Spine Society Meeting, Madrid September 8-10, 1994
105. Influence of sport activity on trunk function. Comparison of basket-ball and volley-ball players
M.Szpalski, F. Michel, J.P. Hayez, F.Greandjean
European Spine Society Meeting, Madrid September 8-10
106. Isoinertial evaluation of low back fatigue in Belgian nursing personnel with and without a history of low back problems.
D. Caboor, E.Zinzen, M.Szpalski, M.Wynsberghe, P.VanRoy, J.P.Clarijs
107. Trunk muscle force potential: relationship to static and dynamic flexion/extension movements.
DC. Guzik, TS. Keller, M. Szpalski, J.Parks, DM. Spengler
2nd World Congress of Biomechanics/European Society of Biomechanics, Amsterdam
108. Nouvelles données sur les dorso-lombalgies du golfeur
M.Szpalski
Association Belge des Kinésithérapeutes du Sport, Brussels, October 6, 1994
109. Funktionele ruganalyse bij lage rugklachten
M. Szpalski
Recente Medische Innovaties , A.Z. St Elizabeth, Zottegem, October 8, 1994
110. Trunk muscle performance and low back pain
M.Szpalski
First Instructional Course of the European Spine Society, Brussels, November 18-19, 1994
111. Functional analysis of the lumbar spine
M.Szpalski
First Instructional Course of the European Spine Society, Brussels, November 18-19, 1994
112. Clinical use of B200 in medico-legal practice
M.Szpalski
University of Madrid, Legal Medicine School, Madrid, March 23, 1995
113. Evaluation and monitoring of the spine
M.Szpalski
XVII Curso Internacional de Medicina Ortopédica, Madrid, March 24, 1995
114. L'évaluation isoinertielle
M.Szpalski
Séminaire de Pathologie Ostéoarticulaire, Brussels, April 10, 1995

115. Epidemiologie des traitements médicaux et chirurgicaux de la lombalgie en Belgique
M.Szpalski
Séance Inter-hospitalière de l'AMUB, La Louvière, May 11, 1995
116. A three dimensional anatomic model of the lumbar spine to predict loads during isometric and isoinertial flexion/extension movements
M.Szpalski, TS Keller, D.Guzik, E.Compo, DM. Spengler
International Society for the Study of the Lumbar Spine Meeting, Helsinki, June 18-22, 1995
117. Isoinertial evaluation of low back fatigue in belgian nursing personnel with and without a history of low back pain
D.Caboor, E.Zinzen, M.Szpalski, P.Van Roy, J.P.Clarijs
Third International Conference on Sports, Leisure and Ergonomics, Burton Manor (UK), July 12-14 1995
118. Functional evaluation of the back
M. Szpalski
Second Seminar on Functional Assessment of Human Motor Performance, October 28, 1995, Brussels
119. Evaluation de la force musculaire du tronc au moyen d'appareils isocinétiques ou isoinertiaux.
M. Szpalski
Colloque de l'Hôpital Cantonal de Fribourg, Fribourg, December 14, 1995
120. Musculature of the vertebral column. Isoinertial research.
M.Szpalski
Capita Selecta in Manuele Therapie en Orthopedische Geneeskunde, Brussels, January 23, 1996
121. Gebruik van het Isostation B200 bij evaluatie van de lumbale wervelkolom op klinisch en medico-legaal niveau
M. Szpalski
Functionele Evaluatie van de Lumbale Wervelkolom Seminarie, March 14, 1996, Oostende
122. La transposition d'antéro-medialisation en queue d'aronde de la tubérosité tibiale antérieure
M. Szpalski, J.P. Hayez
Colloque AMUB, Brussels, April 25, 1996
123. Evaluación isodinámica funcional de la columna lumbar. Principios.
M. Szpalski
XVII Congreso de la Sociedad Española de Rehabilitación y Medicina Física, Bilbao June 11 1996
124. Facet joints injections
R. Gunzburg, M. Szpalski
Recent Advances in the Treatment of Low Back Pain, New-York, June 22-23, 1996

126. Characterization of back motion in chronic low back pain
M.H. Pope, J.B. Bishop, K.F. Spratt, M. Szpalski
International Conference on Biomedical Engineering (BME '96), Hong-Kong May 1996
127. What is spinal stenosis and why does it cause clinical problems
M. Szpalski
10 th Liverpool Spine Course, Liverpool October 30-November 1, 1996
128. What are the indications of surgery in spondylolisthesis
M. Szpalski
10 th Liverpool Spine Course, Liverpool October 30-November 1, 1996
129. Classification of movement patterns in patients with low back pain using an artificial neural network.
J. Bishop, M.H. Pope, S. Anathraman, M. Szpalski
Artificial Neural Networks in Engineering, St. Louis, November 11-13, 1996
130. Méthodes d'évaluation de la mobilité et de la force musculaire
M. Szpalski
Colloquium Lage Rug Pijn, Brussels, December 7, 1996
131. Analysis of dynamic motion of the lumbar spine in chronic low back pain
J. Bishop, M.H. Pope, K. Spratt, M. Szpalski, D. Mc Intyre
Orthopaedic Research Society, San Francisco, February 10-15, 1997
132. Analyse fonctionnelle lombaire et cervicale
M. Szpalski
XII eme Session de l'E.I.B.A.L. Du fondamental à la chirurgie: La colonne vertebrale,
Brussels, March 10-14, 1997
133. Les aspects epidemiologiques de la lombalgie
M. Szpalski
La Remise au Travail du Lombalgique, Journée d'Etude du CRESEPT, Brussels, April 25
1997
134. Le bilan médical et la détermination de l'aptitude physique pour la reprise du travail
M. Szpalski
La Remise au Travail du Lombalgique, Journée d'Etude du CRESEPT, Brussels, April 25
1997
135. Influence of lumbar braces on sometric and dynamic characteristics of trunk function.
M.Szpalski, R. Gunzburg, F.Michel, J.P.Hayez
International Society for the Study of the Lumbar Spine Meeting, Singapore, June 1996
136. Revision for failed lumbar and lumbosacral surgery using laparoscopically inserted cages.
R. Gunzburg, P. Willockx, M. Szpalski
International Society for the Study of the Lumbar Spine Meeting, Singapore, June 1997

137. Classification of low-back pain based on motion characteristics using an artificial neural network.

J.B. Bishop, M. Szpalski, S.K. Anathraman, M.L. Magnusson, M.H. Pope
International Society for the Study of the Lumbar Spine Meeting, Singapore, June 1997

138. Intelligent diagnostic system for LBP using dynamic motion characteristics

J.B. Bishop, M. Szpalski, S.K. Anathraman, D.Mc. Intyre, M.H. Pope
32nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, June 1997

139. Novas perspectivas epidemiológicas das lombalgias.

M. Szpalski

Lombalgias Prevenção e Terapia, 1º Seminário de Fisioterapia, Lisbon, June 28 1997

140. Influência das actividades dinâmicas nas lombalgias

M. Szpalski

Lombalgias Prevenção e Terapia, 1º Seminário de Fisioterapia, Lisbon, June 28 1997

141. Prospective, randomized, double blind functional study of the efficacy of a NSAID in whiplash injuries.

M. Szpalski, R. Gunzburg, M. Soeur, G. Bauherz, J.P. Hayez, F. Michel
European Spine Society Annual Meeting, Kos, September 10-13, 1997

142. Are lumbar braces of any use in restricting trunk function ?

M. Szpalski, R. Gunzburg, F. Michel, J.P. Hayez

European Spine Society Annual Meeting, Kos, September 10-13, 1997

143. Use of BAK anterior cages for failed fusion revisions

R. Gunzburg, P. Willockx, M. Szpalski

European Spine Society Annual Meeting, Kos, September 10-13, 1997

144. Utilisation des cages BAK par voie laparoscopique pour reprise d'échec d'arthrodèse

R. Gunzburg, K. Van de Putte, B. Willockx, M. Szpalski

Réunion commune Société Suisse d'Orthopédie et Société Belge de Chirurgie Orthopédique et Traumatologique Montreux, September 17-20, 1997

145. Etude de l'influence d'un corset lombaire sur la fonction du tronc

R. Gunzburg, K. Van de Putte, J.P. Hayez, M. Szpalski

Réunion commune Société Suisse d'Orthopédie et Société Belge de Chirurgie Orthopédique et Traumatologique Montreux, September 17-20, 1997

146. Application of functional assessment to the cervical spine

M. Szpalski

Functional Assessment of the Spine, Madrid October 17, 1997

147. Clinical manifestations of low back pain

M. Szpalski

Middlesborough Spine Symposium, Middlesborough, March 5 & 6, 1998

148. Valoracion isodinamica de la columna lumbar
M. Szpalski
Jornadas Nacionales Sobre Valoracion Instrumental , Zaragoza, April 16-18, 1998
149. Valoracion de la columna cervical
M. Szpalski
Jornadas Nacionales Sobre Valoracion Instrumental , Zaragoza, April 16-18, 1998
150. Revision for failed lumbar and lumbosacral surgery using laparoscopically inserted cages
R. Gunzburg, P. Willockx, M. Szpalski
2d International Roy-Camille Meeting on Spine, Paris, 1998
151. Les modalités techniques de l'arthrodèse
R. Gunzburg, M. Szpalski
Xie Journée du Rachis de l'Hôpital Beaujon, Paris, June 6, 1998
152. Is there a rationale for post-surgical lifting restrictions
M. Magnusson, MH Pope, VK. Goel, M. Szpalski, DG. Wilder, K. Spratt
25th International Society for the Study of the Lumbar Spine Meeting, Brussels, June 9-13, 1998
153. Is there a rationale for post-surgical lifting restrictions
M. Magnusson, MH Pope, VK. Goel, M. Szpalski, DG. Wilder, K. Spratt
13th North American Spine Society Meeting, San Francisco, October 28-31, 1998
154. Motion analysis in spinal stenosis
T. Keller, M. Szpalski, R. Gunzburg, F. Michel
5th Brussels International Spine Symposium, Nov. 20 & 21, 1998
155. Pharmacological intervention in whiplash injuries
M. Szpalski, R. Gunzburg
World Congress on Whiplash Associated Disorders, Vancouver, February 7-11, 1999
156. Low back pain classification from motion analysis using an artificial neural network.
JB Bishop, ML Magnusson, M. Szpalski, SK Ananthramam, VK Goel, MH Pope
Ergonomics Society Annual Conference, Leicester, April 7-9, 1999
157. Role of trunk motion analysis in single and multilevel stenosis
T. Keller, M. Szpalski, R. Gunzburg
26 th International Society for the Study of the Lumbar Spine Meeting, Hawaiï, June 21-25, 1999
158. A prospective longitudinal study on low back pain in schoolchildren
R. Gunzburg, M. Szpalski, D. Duyck, M. Nordin, F. Balagé, C. Mélot
26 th International Society for the Study of the Lumbar Spine Meeting, Hawaiï, June 21-25, 1999

159. Isometric and isoinertial trunk muscle strength in LPGA golfers
M. Szpalski, T. Keller
26th International Society for the Study of the Lumbar Spine Meeting, Hawai, June 21-25, 1999
160. NSAIDs in the treatment of whiplash injuries
M. Szpalski
Whiplash Associated Disorders, Tel Aviv, October 5-6, 1999
161. Low back pain in schoolchildren: a prospective longitudinal study
R. Gunzburg, C. Melot, F. Balagué, M. Nordin, M. Szpalski
Grenoble, 1999
162. Hernie particulière après prélèvement d'un greffon iliaque
M. Szpalski, S. Debaize
Réunion Interhospitalière de l'AMUB, Mons, November 25, 1999
163. The influence of professional, social and cultural factors on low back pain.
M. Szpalski
Back to Backs Workcover Symposium, Adelaide, April 13, 2000
164. Observations on outcome of spinal surgery
M. Szpalski
Royal College of Surgeons, Spinal Surgery 2000, London, May 12, 2000
165. Function testing in medical reporting
M. Szpalski
6th Teeside Spine Symposium, Leeds, June 7 & 8, 2000
166. Back function testing and medical reporting: the myth of the lie detector
M. Szpalski
Annual Meeting of the Society for Back Pain Research, Manchester, November 23-24, 2000
167. Lumbar spinal stenosis: etiology, etiopathogenesis, clinical presentation, diagnosis, medical and surgical treatment,
R. Gunzburg, M. Szpalski
Annual meeting of the Chilean Orthopaedic and Trauma Society, November, 2000
168. Cost of failed back surgery and disability
M. Szpalski
Back Pain and Disability, New-York, November 30 - December 1, 2000
169. The use of graft materials in orthopedics. A clinical perspective
M. Szpalski
New Developments in Skeletal Reconstruction, Göteborg, February 8, 2001
170. Clinical use of biomaterials in trauma
M. Szpalski
New Developments in Skeletal Reconstruction, Göteborg, February 8, 2001

171. Disc herniation in the third millennium
R. Gunzburg, M. Szpalski
Annual meeting of the Brazilian Spine Society, April, 2001
172. L'instabilité lombaire: mythe ou réalité
R. Gunzburg, M. Szpalski
Actualité Médicales du Rachis, Paris, June 15-16, 2001
173. Les prothèses discales
M. Szpalski, R. Gunzburg
Actualité Médicales du Rachis, Paris, June 15-16, 2001
174. Utilisation d'un ciment osteointégrable dans la stabilisation des vis à compression de hanche.
M. Szpalski, P.Y. Descamps, J.P. Hayez, R. Gunzburg
Journée d'Etudes Biomateriaux, Valenciennes, June 26, 2001.
175. A 2 year prospective longitudinal study on low back pain in primary school children.
M. Szpalski, R. Gunzburg, M. Nordin, F. Balagué
Eurospine Annual Meeting of the Spine Society of Europe, Göteborg, September 4-7, 2001
176. A highly porous beta-tricalcium phosphate/bone marrow graft promotes osteoinductivity in a rat subcutaneous model.
R. Gunzburg, M. Szpalski
Eurospine Annual Meeting of the Spine Society of Europe, Göteborg, September 4-7, 2001
177. Tests diagnosticos nas patologias vertebrais
M. Szpalski
Conceitos Modernos e Avancos da Cirurgia da Coluna Vertebral, Ribeirao Preto-Sao Paulo, October 18 & 19, 2001
178. Estenose lombar
M. Szpalski
Conceitos Modernos e Avancos da Cirurgia da Coluna Vertebral, Ribeirao Preto-Sao Paulo, October 18 & 19, 2001
179. Estado actual das proteses de disco vertebral
M. Szpalski
Conceitos Modernos e Avancos da Cirurgia da Coluna Vertebral, Ribeirao Preto-Sao Paulo, October 18 & 19, 2001
180. Vitoss combined with autologous bone marrow induces new bone formation.
R. Gunzburg, M. Szpalski
British Orthopaedic Research Society Annual Meeting, Leeds, March, 2002
181. A new ultraporous Beta-TCP in spinal fusion in the human. A prospective randomised trial.
R. Gunzburg, M. Szpalski
Biotechnologies for Spinal Surgery, Halle, Germany, April 11-13, 2002

182. Use of a new osteoactive composite for vertebroplasty. Experimental testing and early clinical experience.
M. Szpalski, R. Gunzburg, E. Erbe, A. Gangi
Biotechnologies for Spinal Surgery, Halle, Germany, April 11-13, 2002
183. Osteoinductivity of subcutaneous ultraporous beta-TCP with autologous bone marrow in rats.
R. Gunzburg, E. Erbe, M. Szpalski, T. Clineff, I. Bellicampi
Biotechnologies for Spinal Surgery, Halle, Germany, April 11-13, 2002
184. Clinical and psychofunctional measures of conservative decompression for surgery of lumbar spinal stenosis: a prospective cohort study.
R. Gunzburg, T.S. Keller, M. Szpalski, K. Vandeputte, K.F. Spratt
29 th International Society for the Study of the Lumbar Spine Meeting, Cleveland, May 14-18, 2002
185. A predictive model for surgical outcome after conservative decompression surgery for lumbar spinal stenosis.
R. Gunzburg, T.S. Keller, M. Szpalski, K. Vandeputte, K.F. Spratt
29 th International Society for the Study of the Lumbar Spine Meeting, Cleveland, May 14-18, 2002
186. Vitoss has multiple applications in patients undegoing orthopedic surgery.
M. Szpalski, R. Gunzburg
SICOT Triennial Meeting, San Diego, August 23-30, 2002
187. Fixation of compression hip screws in oteoporotic bone after peritrochanteric fractures: a pilot study with a new synthetic cortical bone void filler.
M. Szpalski, P.Y. Descamps, J.P. Hayez, R. Gunzburg
SICOT Triennial Meeting, San Diego, August 23-30, 2002
188. Chronicité, coûts et absence au travail associés à la chirurgie du rachis.
M. Szpalski
XVIemes Journées Nationales de Médecine du Travail, Brussels, October 3-4, 2002
189. Role, limits and cost of surgery in the therapy of chronic back pain.
M. Szpalski
Société Suisse pour l'Etude de la Douleur, Fribourg, November 1-2, 2002
190. Utilisation d'un nouveau composé phosphocalcique synthétique macroporeux dans la réparation des défauts osseux en orthopédie et traumatologie.
M. Szpalski, R. Gunzburg, J.P. Hayez, N. Passuti
77 eme Réunion Annuelle de la SOFCOT, Paris, November 12-15, 2002
191. Renforcement de la fixation de vis à compression avec un nouveau matériau composite dans les fractures trochantériennes.
M. Szpalski, R. Gunzburg, J.P. Hayez, N. Passuti
77 eme Réunion Annuelle de la SOFCOT, Paris, November 12-15, 2002

192. Trauma application of Beta TCP
M. Szpalski
Building Better Bone, Barcelona, January 17-19, 2003
193. Application of bioactive cement (Cortoss) in hip fractures
M. Szpalski
Building Better Bone, Barcelona, January 17-19, 2003
194. Disc replacement: history, actual state of the art and clinical outcome.
M. Szpalski
3d Live Spine Surgery Symposium, Bern, January 24-25, 2003
195. Overview of cervical disc prosthesis
M. Szpalski
Non Fusion Techniques in Spinal Surgery, Bordeaux, February 14-15, 2003
196. Minimally invasive interventions in the treatment of osteoporotic vertebral compression fractures
M. Szpalski
1st Spinal Advanced Course, Budapest, May 29-31, 2003
197. Fixation of compression hip screws in osteoporotic bone: a pilot study with a new synthetic composite
M. Szpalski, R. Gunzburg, JP Hayez
6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT), June 4-10, 2003, Helsinki
198. Vitoss™ has multiple applications in orthopaedic surgery
M. Szpalski, R. Gunzburg (accepted)
6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT), June 4-10, 2003, Helsinki
199. A new technique for the prevention of hip lag screw cut-out using a bioactive composite. Biomechanic cadaver study
M. Szpalski, R. Gunzburg
6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT), June 4-10, 2003, Helsinki
200. The delivery and biocompatibility of Cortoss, a new synthetic injectable composite for screw augmentation.
F. Frihagen, J.E. Madsen, L. Nordsletten, M. Szpalski
6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT), June 4-10, 2003, Helsinki
201. Epidemiology of musculo-skeletal disorders
M. Szpalski
8th Mc Kenzie Institute International Conference, Rome, September 12-14, 2003

202. The use of bone bone substitute in spine surgery and vertebral augmentation.
M. Szpalski
Bone 2003, Maastricht October, 9-11, 2003
203. A New ultraporous Beta-TCP in spinal fusion in the human. A randomized trial.
R. Gunzburg, M. Szpalski, L. Haazen
7th SILACO Meeting, Margarita, Venezuela, October 9-11, 2003
204. Osteoinductivity of subcutaneous ultraporous beta-TCP with isologous bone marrow in rats.
M. Szpalski, R. Gunzburg, E. Erbe, T. Clineff, L. Bellicampi.
7th SILACO Meeting, Margarita, Venezuela, October 9-11, 2003
205. Ceramic bone substitute in spine fusion
M. Szpalski
3d International Spine Research and Innovation Meeting, Nice, October 16-19, 2003
206. Chirurgie du Rachis: rêves d'Olympe ou boîte de Pandore
M. Szpalski
Journée des Ligues Romandes contre le Rhumatisme, Montreux, October 30, 2003
207. Cortoss experience
M. Szpalski
Building Better Bones, Amsterdam, February 21-22, 2004
208. Predictive value of sagittal trunk function with regard to future LBP in adolescents, A study with 2 years follow-up.
F. Balagé, E. Bibbo, C. Mélot, M. Szpalski, T. Keller, R. Gunzburg
Spineweek 2004, Porto, Jun 30-July 5, 2004
209. Longitudinal evolution of sagittal trunk function in adolescents: a 2 year prospective study
E. Bibbo, F. Balagé, C. Mélot, M. Szpalski, T. Keller, R. Gunzburg
Spineweek 2004, Porto, Jun 30-July 5, 2004
210. A predictive model for surgical outcome after conservative decompression
K. Spratt, T. Keller, M. Szpalski, K. Vandeputte, R. Gunzburg
Spineweek 2004, Porto, Jun 30-July 5, 2004
211. Comparison of clinical measurements and B-200 evaluation of the sagittal lumbar spine range of motion in adolescents.
E. Bibbo, F. Balagé, C. Mélot, M. Szpalski, T. Keller, R. Gunzburg
Spineweek 2004, Porto, Jun 30-July 5, 2004
212. Blindfolded ability to reproduce spatial neck position
Szpalski M, Gunzburg R, Hondeghem, S, Delmotte S, Van Roy P, Colloca C.
Spineweek 2004, Porto, Jun 30-July 5, 2004

213. Nueva tecnica de fijacion paraevitar el aflojimento del tornillo cefalico en fracturas petrochanteras
M. Szpalski
Seminar Hospital General Yagüe, Burgos, June 11, 2004
214. Mechanical Testing of the spine
M. Szpalski
10th Teesside Spine Symposium The Painful Spine , Leeds, June 24 & 25, 2004
215. Spondylolysis, Conservative and Surgical Management
R. Gunzburg, M. Szpalski
10th Teesside Spine Symposium The Painful Spine , Leeds, June 24 & 25, 2004
216. History of disc replacement for degenerative disc disease
M. Szpalski, R. Gunzburg
Non Fusion Techniques in Spinal Surgery, Milano, September 10-11, 2004
217. Mechanical back testing in medico-legal context.
M. Szpalski
XIth Teesside Spine Symposium, Manchester, April 14 & 15, 2005
218. The cost of ALIF and PLIF operations: a population study
M. Szpalski, R. Gunzburg, E. Munting, M. Dubois, P. Melot, P. Rojas, P. Kruse
32nd International Society for the Study of the Lumbar Spine Meeting, New York, May 10-14, 2005
219. Blood transfusion in ALIF and PLIF procedures
R. Gunzburg, M. Szpalski, M. Dubois, P. Melot, P. Rojas, P. Kruse
32nd International Society for the Study of the Lumbar Spine Meeting, New York, May 10-14, 2005
220. Blood transfusion in extended laminectomy
R. Gunzburg, M. Szpalski, M. Dubois, P. Melot, P. Rojas, P. Kruse
32nd International Society for the Study of the Lumbar Spine Meeting, New York, May 10-14, 2005
221. The cost of extended laminectomy : a population study
M. Szpalski, R. Gunzburg, E. Munting, M. Dubois, P. Melot, P. Rojas, P. Kruse
32nd International Society for the Study of the Lumbar Spine Meeting, New York, May 10-14, 2005
222. History of ISSLS
M. Szpalski
10th Spine Seminar and Training Course, Ho Chi Minh City, December 9-10, 2005
223. Hemostasis in spine surgery
M. Szpalski
10th Spine Seminar and Training Course, Ho Chi Minh City, December 9-10, 2005

224. Le saignement du rachis: voie postérieure
M. Szpalski
La voie antérieure du rachis. Traitement des complications hémorragiques. DETERCA.
Bordeaux, March 31 –April 1, 2006
225. Expérience du Flo-Seal, à propos de 30 cas
M. Szpalski
La voie antérieure du rachis. Traitement des complications hémorragiques. DETERCA.
Bordeaux, March 31 –April 1, 2006
226. Prospective, international, multicenter, randomized Inter-S stabilizing study;
assumptions
A. Dobkiewicz, J. Pienazek, M. Szpalski, L. Ciupik
XIII Meeting of the Neurorthopedic Section of the Polish Society of Neurosurgery. Lodz,
April 27-29, 2006
227. Inter-S: 500 percent surgical invasiveness reduction in lumbar interspinous stabilization
L. Ciupik, J. Pienazek, M. Radek, M. Szpalski
XIII Meeting of the Neurorthopedic Section of the Polish Society of Neurosurgery. Lodz,
April 27-29, 2006
228. Evaluation of implantation procedure and research of influence of Inter-S dynamic
tensioning stabilization system on goats.
J. Sterna, J. Chlopek, L. Ciupik, A. Dobkiewicz, J. Pienazek, M. Radek, M. Szpalski
XIII Meeting of the Neurorthopedic Section of the Polish Society of Neurosurgery. Lodz,
April 27-29, 2006
229. Nueva tecnica de fijacion en fracturas petrocantareas.
M. Szpalski
Seminar Hosp. General Yagüe, Burgos, June 2, 2006
230. Surgeon dependant cost of fusion and decompression: a population study
R. Gunzburg, M. Szpalski, M. Dubois, C. Mélot
33^d International Society for the Study of the Lumbar Spine Meeting, Bergen, June 13-17,
2006
231. Haemostasis in spine surgery
M. Szpalski
17th Instructional Course of the International Society for the Study of the Lumbar Spine;
Curitiba (Brazil), August 23-24, 2006
232. Spine arthroplasty: a historical review
Marek Szpalski, Robert Gunzburg
Controversies and Progress in Spine Surgery, Zakopane (Pol), October 13-14, 2006
233. Blood sparing techniques in spine surgery
Marek Szpalski, Robert Gunzburg
Controversies and Progress in Spine Surgery, Zakopane (Pol), October 13-14, 2006

234. Therapeutic outcomes and economy aspects of spine surgery
Robert Gunzburg, Marek Szpalski
Controversies and Progress in Spine Surgery, Zakopane (Pol), October 13-14, 2006
235. Lumbar disc prosthesis, historical review, state of the art and limitations_
Marek Szpalski
XI Congress of the Brazilian Spine Society, Porto de Galinhas, March 14-17, 2007
236. Hemostasis and blood sparing in spine surgery
Marek Szpalski
XI Congress of the Brazilian Spine Society, Porto de Galinhas, March 14-17, 2007
237. Was the old so bad, is the new so perfect
Marek Szpalski
10th International Symposium. New Horizons in Spine Surgery, Lisbon, April 19-21
238. Initial results of InterS low-invasive non-fusion dynamic stabilization method
M. Szpalski , J. Pienazek , A. Dobkiewicz , J. Szczepanski , R. Gunzburg , T. Pienazek
34th International Society for the Study of the Lumbar Spine Meeting, Hong Kong, June 10-13, 2007
238. ISSLS past and future
M. Szpalski
Instructional Course of the International Society for the Study of the Lumbar Spine Meeting, Johannesburg, September 1 & 2 , 2007
239. Lumbar disc arthroplasty, history and evidence_
Marek Szpalski
Instructional Course of the International Society for the Study of the Lumbar Spine Meeting, Johannesburg, September 1 & 2 , 2007
240. Hemostasis in spine injuries
Marek Szpalski
Instructional Course of the International Society for the Study of the Lumbar Spine Meeting, Johannesburg, September 1 & 2 , 2007
241. Lumbar disc prosthesis, state of the art and evidence
Marek Szpalski
Panhellenic Spine Society Congress, Athens, September 20-23, 2007
242. Hemostasis and blood sparing in spinal procedures
Marek Szpalski
Panhellenic Spine Society Congress, Athens, September 20-23, 2007
243. Do scientific journals help us in clinical care
R. Gunzburg, M. Szpalski
22nd Annual Meeting of the North American Spine Society, Austin, October 23-27, 2007

244. Interspinous implants
M. Szpalski, R. Gunzburg
V Simposium Internacional La Luz, Madrid, November 23-24, 2007
245. Blood sparing in spine surgery
M. Szpalski, R. Gunzburg
V Simposium Internacional La Luz, Madrid, November 23-24, 2007
246. Total disc arthroplast, historic review, state of the art and evidence
M. Szpalski
V Simposium Internacional La Luz, Madrid, November 23-24, 2007
247. Interspinous implants today
M. Szpalski
Combined Instructional Course of the ISSLS and the Association of Spine Surgeons of India, Coimbatore, January 18 & 19, 2008
248. Evidence against disc lumbar disc replacement
M. Szpalski
Combined Instructional Course of the ISSLS and the Association of Spine Surgeons of India, Coimbatore, January 18 & 19, 2008
249. Hemostasis and blood sparing in spine surgery
M. Szpalski
Combined Instructional Course of the ISSLS and the Association of Spine Surgeons of India, Coimbatore, January 18 & 19, 2008
250. History and goals of the ISSLS
M. Szpalski
Combined Instructional Course of the ISSLS and the Association of Spine Surgeons of India, Coimbatore, January 18 & 19, 2008
251. Effect on intervertebral motion of a novel minimally invasive interspinous implant.
Gunzburg R, Szpalski M, Moore RJ, Callary SA, Colloca CJ, Harrison DE, Kosmopoulos V.
Annual Scientific Meeting of the Spine Society of Australia, Adelaide, April 18-20, 2008
252. One year follow up after insertion of a minimally invasive self-locking interspinous implant. Results at one year and CT measurements of foramen sizes.
M.Szpalski, J. Pienazek, R. Gunzburg, L. Ciupik
Spine Arthroplasty Society 8th Annual Meeting, Miami, May 6-9, 2008
253. One year follow up after insertion of a minimally invasive self-locking interspinous implant. Results at one year and CT measurements of foramen sizes
M.Szpalski, J. Pienazek, R. Gunzburg, L. Ciupik
Spineweek 2008, Geneva, May 26-30, 2008
254. Controversies in non-rigid technologies and semi rigid-fixation
M. Szpalski
1st Neuromechanical Spine Symposium, Cambridge, September 6, 2008

255. Interspinous implants, state of the art, indications and limitations
M. Szpalski
Capital Scientific Summit on Orthopedics, Capital Medical University, Beijing, Oct 24-25, 2008
256. Why, when and how should we remove implants
R. Gunzburg, M. Szpalski
8th Inspiration Meeting, Rome, October 31-November 1
257. Interspinous implants, state of the art and indications
M. Szpalski, R. Gunzburg
VI Simposium Internacional La Luz, Madrid, November 14-15, 2008
258. Removal of spinal instrumentation, why and when
M. Szpalski, R. Gunzburg
VI Simposium Internacional La Luz, Madrid, November 14-15, 2008
259. Lumbar spinal instability : the ABC approach
R. Gunzburg, M. Szpalski
VI Simposium Internacional La Luz, Madrid, November 14-15, 2008
260. Lumbar degenerative spondylolisthesis
R. Gunzburg, M. Szpalski
VI Simposium Internacional La Luz, Madrid, November 14-15, 2008
261. Prise en charge chirurgicale de la pathologie rachidienne en Belgique
M. Szpalski
21^{eme} Réunion du GIEDA Inter-Rachis, Brussels, December 12 & 13, 2008
262. Clinical use and research on InSwing interspinous spacer.
M. Szpalski
Atlas Forum. Posterior Approaches to the Spine. Miami, February 21-22, 2009
263. Effectiveness of an interspinous implant on restoring dorsoventral lumbar stiffness
R. Gunzburg, V. Kosmopoulos, R. Moore, C. Coloca, S. Callary, M. Szpalski
36th International Society for the Study of the Lumbar Spine Meeting, Miami, May 3-7, 2009
264. Evidence for lumbar spine fusion
M. Szpalski
International Masters Spine Symposium and Cadaver Workshop, The Royal College of Surgeons of England, London, May 28-30, 2009
265. Evidence for interspinous spacers and dynamic fixation
M. Szpalski
International Masters Spine Symposium and Cadaver Workshop, The Royal College of Surgeons of England, London, May 28-30, 2009

266. Interspinous Process Spacers in Spine Surgery
M. Szpalski, R. Gunzburg
Medical Association of Jamaica, Kingston, June 4-7, 2009
267. Haemostasis and Managing Blood loss in Spine Surgery
M. Szpalski, R. Gunzburg
Medical Association of Jamaica, Kingston, June 4-7, 2009
- 268 Genesis of an interspinous implant, indications and limitations
M. Szpalski
Fifth Tinjin Annual Conference of orthopedic Surgery, Tianjin (China), June 18-19, 2009
269. Clinical use of interspinous implants
M. Szpalski
Atlas Forum, San Francisco, November 8 & 9, 2009
270. Effect on InSwing on lumbar range of motion
M. Szpalski
European Atlas Forum, Bucharest, November 27, 2009
271. When is lumbar stenosis a real problem in elderly patients ?
M. Szpalski
Simposium Internacional La Luz, Madrid, November 27 & 28, 2009
272. Surgery of lumbar stenosis in the aging patient
M. Szpalski
Simposium Internacional La Luz, Madrid, November 27 & 28, 2009
273. Interspinous spacers in lumbar stenosis : when and what results ?
M. Szpalski
Rome Spine, Rome, December 2 & 3, 2009
274. Ethical and economic aspects in the treatment of the degenerative lumbar spine
M. Szpalski
Degenerative Lumbar Spine: minimal invasive present and future treatments, Brussels
December 3 & 4, 2009
275. Prothèses discales: historique, critique, limitations et évidence actuelle
M. Szpalski
22^{eme} Réunion du GIEDA, Lyon December 11 & 12 2009