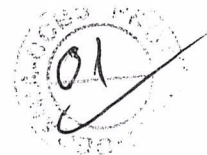




Universidade Federal do Estado do Rio de Janeiro – UNIRIO
Centro de Ciências Biológicas e da Saúde – CCBS
Escola de Medicina e Cirurgia – EMC
Departamento de Cirurgia Geral e Especializada – DECIGE



Of. 024/2019 – DECIGE

Rio de Janeiro, 11 de novembro de 2019.

Ao Senhor
Agostinho Manuel da Silva Ascensão
Decano
Centro de Ciências Biológicas e da Saúde/UNIRIO
Rua Silva Ramos, 32. Tijuca. Rio de Janeiro. RJ. CEP: 20.270-330

CONCESSÃO DE TÍTULO
Assunto: ~~abertura de processo seletivo~~

Senhor Decano,

Encaminho a documentação de solicitação do professor Paulo Sergio Teixeira de Carvalho para concessão de título "*doutor honoris causa*" ao professor Kai-Uwe Lewandrowski para providências.

Os documentos encaminhados são:

- 1) Requerimento do professor Paulo de Carvalho;
- 2) Currículo do Dr. Kai-Uwe Lewandrowski;
- 3) Ata e lista de presença da 9ª Reunião Ordinária do DECIGE.

Atenciosamente,


Prof. Dr. Rossano Kepler Alvim Fiorelli
Chefe do Departamento de Cirurgia Geral e Especializada

TTDD: 910 - Homenagens

PROTOCOLO		
DECANIA - CCBS		
RECEBIDO EM	11 / 11 / 19	
Às	14 horas	30 minutos
Ass.: F. Alvim		



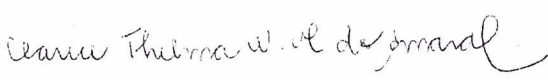
Universidade Federal do Estado do Rio de Janeiro – UNIRIO
Centro de Ciências Biológicas e da Saúde – CCBS
Escola de Medicina e Cirurgia – EMC
Departamento de Cirurgia Geral e Especializada – DECIGE

02

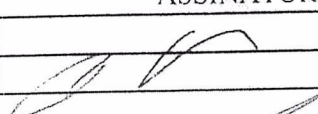
ATA DA 9ª REUNIÃO ORDINÁRIA DO DEPARTAMENTO DE CIRURGIA GERAL E ESPECIALIZADA – DECIGE, 07 DE NOVEMBRO DE 2019.

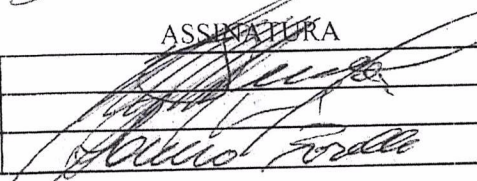
Aos sete dias do mês de novembro de dois mil e dezenove, às nove horas, reuniram-se no anfiteatro da 4ª/6ª enfermarias, no Hospital Universitário Gaffrée e Guinle, da Universidade Federal do Estado do Rio de Janeiro (UNIRIO), os membros do Colegiado do Departamento, cujos nomes constam na lista de presença. O chefe do departamento, professor Rossano Fiorelli, deu início a reunião agradecendo a presença de todos. **Item 1)** Solicitação de progressão funcional do professor Jorge da Cunha Barbosa Leite para associado 3, avaliado por comissão examinadora tendo obtido média final 8,5 (oito inteiros e cinco décimos) – APROVADO. **Item 2)** Solicitação de abertura de processo seletivo simplificado para professor substituto do professor Jorge da Cunha Barbosa Leite, cedido à EBSERH, para assistente A, na área de otorrinolaringologia, com regime de trabalho de 40 horas semanais – APROVADO. **Item 3)** Aprovação da comissão examinadora do processo seletivo simplificado para professor substituto do professor Jorge da Cunha Barbosa Leite, cedido à EBSERH, para assistente A, na área de otorrinolaringologia, com regime de trabalho de 40 horas semanais, composta pelos professores Jorge da Cunha Barbosa Leite (Doutor/EBSERH); Marcos André de Sarvat (Doutor/UNIRIO) e Rossano Kepler Alvim Fiorelli (Doutor/UNIRIO) – APROVADO. **Item 4)** Solicitação do professor Paulo Sergio Teixeira de Carvalho para concessão de título “*doutor honoris causa*” ao professor Kai-Uwe Lewandrowski pela competência e profissionalismo mundialmente reconhecidos – APROVADO. **Item 5)** Ratificação da decisão *ad referendum* do afastamento do professor Mário Martins dos Santos Motta para participar do evento “Congresso Anual da Academia Americana de Oftalmologia”, no período de 09/10/2019 a 17/10/2019, em San Francisco/EUA – APROVADO. **Item 6)** Ratificação da decisão *ad referendum* do afastamento do professor Bernardo Cunha Senra Barros para participar do evento “Congresso Brasileiro de Cirurgia Vascular”, no período de 08/10/2019 a 12/10/2019, em Recife/Brasil – APROVADO. **Item 7)** Ratificação da decisão *ad referendum* do afastamento do professor José Fernando Guedes Corrêa para participar do evento “24th Sunderland Society Meeting”, no período de 29/10/19 a 04/11/19, em Jerusalém/Israel – APROVADO. **Item 8)** Ratificação da decisão *ad referendum* do afastamento do professor Francisco Nicanor Araruna de Macedo para participar do evento “International Conference and Workshop on Reconstructive Pediatric Urology”, no período de 30/10/19 a 03/11/19, em Doha/Qatar – APROVADO. **Item 9)** Ratificação da decisão *ad referendum* do afastamento do professor Marcos André de Sarvat para participar do evento “Laringologia em 10 módulos”, no período de 23/10/2019 a 28/10/2019, em Maceió/Brasil – APROVADO. **Item 10)** Solicitação de afastamento do professor Mário Martins dos Santos Motta para participar do evento “62º Congresso Português de Oftalmologia”, no período de 03/12/2019 a 11/12/2019, em Vila Moura – Algarve / Portugal – APROVADO. **Item 11)** Solicitação de afastamento do professor José Fernando Guedes Corrêa para participar do evento “Nerve Repair and Peripheral Nerve Surgery, from Basics to Complex Procedure”, no período de 26/05/2020 a 04/06/2020, em Leon / Espanha – APROVADO. Nada mais havendo a tratar, foi encerrada a reunião, da qual, para constar, foi lavrada a presente ata, que vai assinada por mim, secretária, e pelo senhor chefe do Departamento.

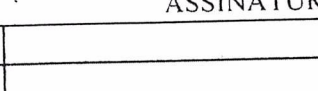

Prof. Rossano Kepler Alvim Fiorelli
Chefe do DECIGE

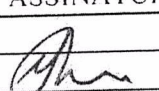

Clarice Thelma N. M. do Amaral
Secretária

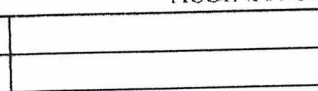
Presença da 9ª Reunião Ordinária - 05/11/2019

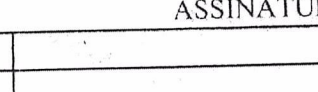
SIAPÉ	CH	CHEFIA DECIGE	ASSINATURA
6398867	40h	Rossano Kepler Alvim Fiorelli	
6377428	DE	Isaac Sirota Rotbande	

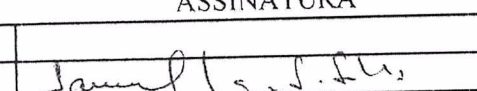
SIAPÉ	CH	TITULARES	ASSINATURA
6398069	40h	Agostinho Manuel da Silva Ascensão	
6377428	DE	Isaac Sirota Rotbande	
6398867	40h	Rossano Kepler Alvim Fiorelli	

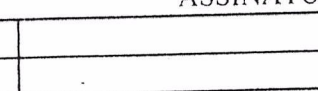
SIAPÉ	CH	ANGIOLOGIA E CIRURGIA VASCULAR	ASSINATURA
3434391	20h	Stênio Karlos Alvim Fiorelli	
5489077	20h	Bernardo da Cunha Senra	

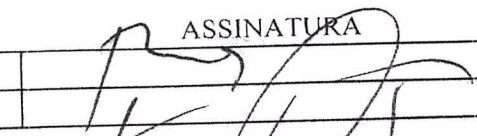
SIAPÉ	CH	ANESTESIOLOGIA	ASSINATURA
398560	20h	Helton José Bastos Setta	
3985	DE	Isidoro Binda Netto	

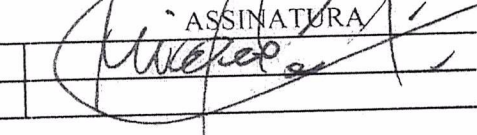
SIAPÉ	CH	ATENDIMENTO PRÉ-HOSPITALAR	ASSINATURA
2296086	40h	André Luís Gonçalves Montillo	
1847765	40h	Vinícius Magno da Rocha	

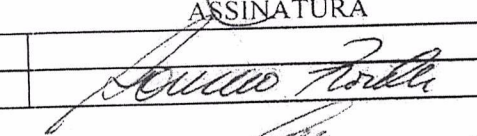
SIAPÉ	CH	CIRURGIA CARDÍACA	ASSINATURA
1315625	20h	Alexandre Siciliano Colafranceschi	

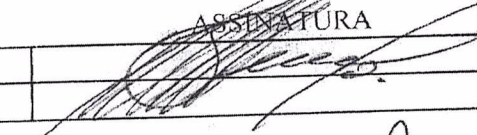
SIAPÉ	CH	INTERNATO EM MEDICINA DE URGÊNCIA	ASSINATURA
	20h	Renato Abrantes Luna	
1942641	20h	Sandoval Lage da Silva Sobrinho	

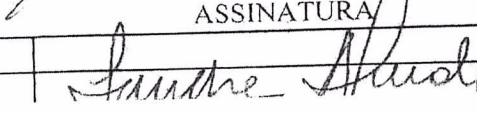
SIAPÉ	CH	CIRURGIA PEDIÁTRICA	ASSINATURA
1203480	20h	Francisco Nicanor Araruna Macedo	

SIAPÉ	CH	CIRURGIA GASTROENTEROLÓGICA	ASSINATURA
398067	DE	Renato Manganelli Salomão	
1329675	40h	Fernando Athayde Veloso Madureira	

SIAPÉ	CH	CIRURGIA PLÁSTICA	ASSINATURA
2372047	20h	Ricardo Cavalcanti Ribeiro	
398172	40h	Marcelo Perrone	

SIAPÉ	CH	CIRURGIA TORÁCICA	ASSINATURA
227896	40h	Maria Ribeiro Santos Morard	
6398867	40h	Rossano Kepler Alvim Fiorelli	

SIAPÉ	CH	CLÍNICA CIRÚRGICA GERAL	ASSINATURA
6398069	40h	Agostinho Manuel da Silva Ascensão	
1296310	20h	Andrea Povedano	

SIAPÉ	CH	GINECOLOGIA	ASSINATURA
628354	40h	Ieda Lúcia Pereira Bravo	
1206416	DE	Sandra Maria Garcia de Almeida	

SIAPE	CH	INTERNATO EM CIRURGIA	ASSINATURA
398595	40h	Eduardo Costa Teixeira	
398594	40h	Pedro Éder Portari Filho	

SIAPE	CH	INTERNATO EM GINECOLOGIA E OBSTETRÍCIA	ASSINATURA
398610	DE	Maria de Nazareth Gamboa Ritto	
1215046	DE	Regina Rocco	

SIAPE	CH	NEUROCIRURGIA	ASSINATURA
398147	40h	José Fernando Guedes Corrêa	
398171	40h	Paulo Sergio Teixeira de Carvalho	

SIAPE	CH	OBSTETRÍCIA	ASSINATURA
1459429	40h	Fernanda Campos da Silva	
398585	20h	Marcos Vianna Lacerda de Almeida	

SIAPE	CH	OFTALMOLOGIA	ASSINATURA
397805	DE	Giovanni Nicola Umberto Italiano Colombini	
630881	40h	Mário Martins dos Santos Motta	

SIAPE	CH	ORTOPEDIA	ASSINATURA
6377428	DE	Isaac Sirota Rotbande	
398427	40h	Reinaldo Hashimoto	

SIAPE	CH	OTORRINOLARINGOLOGIA	ASSINATURA
398321	40h	Jorge da Cunha Barbosa Leite	
1946668	40h	Marcos André de Sarvat	

SIAPE	CH	TERAPIA INTENSIVA	ASSINATURA
398451	40h	Célio Cortinhas Filho	
1191612	40h	Ricardo Antônio Correia Lima	

SIAPE	CH	TOCE	ASSINATURA
227896	40h	Maria Ribeiro Santos Morard	
6398867	40h	Rossano Kepler Alvim Fiorelli	

SIAPE	CH	UROLOGIA	ASSINATURA
619563	DE	Irineu Rubinstein	
398519	40	Marco Aurélio Imbroisi	

REPRESENTANTES DE CLASSE

SIAPE	CH	TITULARES	ASSINATURA
398147	40h	José Fernando Guedes Corrêa	
398067	DE	Renato Manganelli Salomão	

ASSOCIADOS

398672	40h	Carlos Fernandes Baptista	
398520	DE	Mauro da Rocha Muniz	

ADJUNTOS

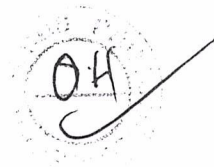
1459429	40h	Fernanda Campos da Silva	
1226403	40h	Ana Lucia Cavalcanti de Carvalho	

ASSISTENTES

2605686	40h	Rogério Martins Pires de Amorim	
3562537	40h	Guilherme de Andrade Gagheggi Ravanini	

REPRESENTANTES DISCENTES

Gabriel Carvalho de Almeida - mat: 20131130073		



Rio de Janeiro, 21 de outubro de 2019.

Prezado Chefe do Departamento de Cirurgia Geral e Especializada,

Solicito a concessão do título de Doutor *Honoris Causa* ao Dr. Kai-Uwe Lewandrowski que muito tem colaborado com palestras e participação em eventos da Escola de Medicina e Cirurgia, incluindo vídeos e cirurgias endoscópicas da coluna vertebral ao vivo no HUGG, bem marcada no centenário da Escola de Medicina e Cirurgia da UNIRIO. Em anexo, o currículo do referido professor, com publicação de doze livros e centenas de trabalhos publicados nas principais revistas internacionais, diversas condecorações e participação como convidado dos maiores conclave mundiais, sendo reconhecido mundialmente.

Atenciosamente,

Prof. Paulo Sérgio Teixeira de Carvalho
Professor Titular de Neurocirurgia - EMC

BIOGRAPHICAL SKETCH



NAME	POSITION TITLE
Kai-Uwe Lewandrowski, M.D.	Staff Surgeon Center for Advanced Spine Care, 4787 Camp Lowell, Tucson, Arizona, 85712, USA

EDUCATION/TRAINING/PROFESSIONAL ACTIVITIES			
	DEGREE	YEAR(s)	ACTIVITY
Humboldt-Univ. Medical School, Berlin, Germany	M.D.	1987-92	Medicine
Research Fellow, MGH, Boston MA		1992-94	Orthopaedic Surgery
Surgical Resident, Ruhr-Univ., Bergmannsheil, Germany		1995-96	Orthopaedic Surgery
Surgical Resident, Boston University, Boston MA		1996-97	Orthopaedic Surgery
Research Fellow, Principal Investigator R03 grant NIH/NIAMS Grant AR45062		1997-99	Orthopaedic Surgery
Resident in Orthopaedic Surgery, Harvard Combined Orthopaedic Program		1999 – 2003	Orthopaedic Surgery
Fellow in Spinal Surgery, Cleveland Clinic Foundation		2003 – 2004	Orthopaedic & Neurological Surgery
Staff Surgeon, Spine Center, Tucson Orthopaedic Institute, Tucson, Arizona		2004 – 2006	Orthopaedic Surgery
Staff Surgeon, Center for Advanced Spine Care of Southern Arizona		2006 – present	Orthopaedic Surgery
Clinical Assistant Professor in Orthopaedic Surgery, University of Arizona		2007 – present	Orthopaedic Spine Surgery
Division Chair Orthopaedic Surgery, St. Mary's Hospital, Tucson Arizona		2014 – 2018	Orthopaedic Spine Surgery
Surgical Institute of Tucson, Chair Medical Executive Committee, President		2014 – present	Orthopaedic Spine Surgery

PROFESSIONAL EXPERIENCE

6/1992	Dissertation: "Concomitant meniscus and articular cartilage lesions in the femoro-tibial joint"(German), Humboldt University, Charité Medical School, 1992
9/1992 - 12/1994	Research Fellow , Orthopaedic Surgery, Massachusetts General Hospital, Boston , MA („Kinetics of Demineralization of Human Cortical Bone“; „Orthotopic Allograft Rat Diaphyseal Transplantation“; „Immune Response to large frozen bone allografts in humans“; „Electron Microscopic Studies on the Process of Cortical Bone Demineralization“)
1/1993 - 12/1994	Associate Research Fellow , Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Boston , MA („Osteoinduction in Cortical

- Bone Allografts by Er:YAG Laser-Holes“; „Improved Plating in Maxillofacial Surgery by Use of an Er:YAG Laser“)
- 3-4/1993 **Visiting Research Fellow**, Bone & Joint Research Laboratory, Ottawa General Hospital, University of Ottawa („Flexural Rigidity of Partially Demineralized Diaphyseal Bone Grafts“)
- 6/1994 **Visiting Research Fellow**, Abteilung für Biomechanik, University of Ulm, Germany („Mechanical Test Methods for Long Bones“)
- 10/1994 **Visiting Research Fellow**, Orthopaedic Research Laboratory, Case-Western University, Cleveland, OH („Allograft Bone Transplantation in a Canine Animal Model“)
- 3/1995 - 6/1996 **Surgical Intern**, Ruhr-University, Bergmannsheil Trauma Center, Bochum, Germany („Acceleration of Bone Allograft Incorporation. A Histological, Biomechanical, and Immunological Study in Sheep“)
- 4/1995 - 5/1996 **Collaboration with AO Research Institute**, ARI, Davos, Switzerland („Techniques of International Fixation for Transplantation of Long Bones in Sheep“)
- 5/1995 - 3/1997 **Collaboration** with Immunology Dep. University of Essen, Germany, („Tissue Typing and Crossmatching of Recipients of Bone Allografts. An Experimental Study in Sheep“)
- 6/1995 - 4/1996 **Collaboration** with Biophysics Institute, University of Münster, Germany („Er:YAG Laser Drilling of Cortical Bone Allograft“)
- 8/1996 - 4/97 **Orthopaedic Research Fellow**, Orthopaedic Surgery, MGH, Harvard Medical School („Stimulators of Bone Resorption in Cortical Bone Allografts“)
- 6/1997 **Resident, Department of Surgery**, Boston Medical Center, Boston, MA
- 7/1998 – 6/1999 **Research Fellow**, PI R03 NIH/NIAMS Grant AR45062, Orthopaedic Surgery, Massachusetts General Hospital, Boston, MA Clinical study on the use of perforated and demineralized cortical bone allografts
- 6/1999 – 07//2003 **Resident**, Orthopaedic Surgery, Massachusetts General Hospital, Boston, MA Harvard Combined Orthopaedic Residency Program
- 08/01/2003 – 07/31/2004 **Fellow in Spinal Surgery** at Cleveland Clinic Foundation, Combined Neurosurgical/ Orthopaedic Fellowship
- 08/01/2005 – 01/30/2006 **Staff surgeon**, Tucson Orthopaedic Institute, Tucson, Arizona
- 01/31/2006 – 01/31/2006 **Staff surgeon**, Center for Advanced Spinal Surgery, Tucson, Arizona
- 01/31/2006 – **Clinical Assistant Professor** in Orthopaedic Surgery, University of Arizona, Tucson, Arizona
- 07/16/2016 Inducted **Corresponding Foreign Member** of the Brazilian Military Medical Academy
- 02/05/2019 Inducted to Department of Orthopaedic Surgery, **Visiting Professor** Department of Orthopaedics, Fundación Universitaria Sanitas, Bogotá, D.C., Colombia
- 03/15/2019 Nominated **Co-Director of Medical Education** of IITS

BOARD STATUS:

The American Board of Orthopaedic Surgery, 2009, recertified 2018
The American Board of Spinal Surgery, 2009



LICENSURE: State of Ohio
State of Arizona
State of New Mexico
Licensed to Practice Medicine in Germany (*Approbation als Arzt*)

MEMBERSHIP: American Academy of Orthopaedic Surgeons (AAOS)
Orthopaedic Research Society (ORS)
North American Spine Society (NASS)
Sociedad Interamericana de Cirugía de Columna Mínimamente Invasiva (SICCMi)
International Intradiscal Therapy Society (IITS)
World Congress Minimally Invasive Spine Surgery and Techniques (WCMISST)
Brazilian Military Medical Academy

AWARDS:

1. **Young Investigators Award of the European Society for Surgical Research.** Osteoinduction in cortical bone grafts by controlled demineralization and laser-perforation. Lewandrowski KU, Tomford WW, Mankin HJ, Schollmeier G, Ekkernkamp A, Muhr G. Southampton, UK, March 31 - April 3, 1996.
2. **Osteotech/OREF Award for Excellence in Bone Allograft Research.** Modification of Cortical Bone Allografts by Partial Demineralization and Laser-Perforation to Enhance Incorporation. A Histologic, Biomechanical, and Immunological Study. Lewandrowski, KU, Schollmeier, G, Ekkernkamp A, Uhthoff HK, Mankin HJ, Tomford WW. AAOS Anaheim, 1999.
3. **Titulo de Membro Correspondente Internacional da Academia Brasileira de Medicina Militar,** pela distinção e pelos bons serviços prestados.
4. **75th Anniversary Service Medal of the Brazilian Military Medical Academy,** pela distinção e pelos bons serviços prestados.
5. **Orden al merito SILACO en el grado de Caballero - Order of merit "Knight" of SILACO** (Sociedad Iberolatinoamericana de Columna), Santiago de Chile, November 9, 2017.

HONORS/GRANTS:

9/1992 - 4/1993	Fellowship, Rotary Foundation
7/1993 - 1/1994	Fellowship MGH Laser Center, Grant from the Department of Energy (DE-FG02-91 ER61228)
4/1995	Young Investigators Award of the European Surgical Research Society
3/1995 - 4/1995	Small grant „Mechanical Evaluation of Healing in Cortical Bone Allografts“, from the German-Canadian Science & Technology Foundation, Ministry of Foreign Affairs & International Trade, PI Lewandrowski
4/1996	Grant “Allogeneic Bone Transplantation” from the Hauptverband der gewerblichen Berufsgenossenschaften (German Foundation), PI Lewandrowski
6/1997	Milheim Foundation: - „Limb Salvage in the Treatment of Bone Tumors“, PI Lewandrowski,

9/1997 - NIH/NIAMS Grant AR45062 „Improvement of Incorporation of Bone Allografts“, PI Lewandrowski,

LANGUAGES: English, German, Spanish, Portuguese, Italian, Russian, Polish

VOLUNTEERING: Visiting professor Centro de Coluna e Dor do Hospital Gaffrée e Guinle (HUGG) and coordinator of Professional Master in Science of Videoendoscopic Spinal Surgery at Universidade Federal do Estado do Rio de Janeiro – UNIRIO incepted November 2015.

Hospital das Clínicas de Ribeirão Preto, Riberao Preto, SP Brazil, August 18 – 28, 2013, visiting professor, volunteer work on Pediatric Scoliosis and Deformity Service with Prof. Helton Delfino

Volunteer Educational Course Faculty for Comitê de Cirurgia Minimamente Invasiva de Coluna, Brazil, Praia de Forte, Salvador, Bahia, Brazil, August 18, 2012

Visiting Professor with Prof. Anthony Daher, Departamento de Neurocirugía, Hospital C. A. Esculapio, Calle Rondon Nr 9549 Valencia, Venezuela, volunteer work on reconstructive spinal cancer surgery, July 20-24, 2008

Visiting Professor, volunteer work establishing videoendoscopic surgery program at Hospital TijuTrauma, Hospital Badim, and Centro Cirúrgico at Barra Dor Hospital, Rio De Janeiro, Brazil, July 15-21, 2016.

INTERESTS: Music, Piano, Foreign Languages, Travel, Cooking, Sailing, Writing, Bee Keeping

FULL PAPERS:

1. **Arthroscopic treatment of knee injuries.** Schollmeier G, Lewandrowski KU, Mueller J. Heilberufe 45, No 5, 222-25, 1993.
2. **Immune response in recipients of large frozen bone allografts and their effect on clinical results.** Tomford WW, Springfield D, Lewandrowski KU, Chung HW, Mankin HJ, Fuller TC, Transactions of the Orthop Res Society, 40, 122, 1994.
3. **Regional cerebral function determined by FDG-PET in healthy volunteers: Normal patterns and changes with age.** Loessner A, Alavi A, Lewandrowski KU, Souder E, Gur RE. Journal of Nuclear Medicine, Vol 36, No 7:1141-49, 1995.
4. **Flexural rigidity in partially demineralized diaphyseal bone grafts.** Lewandrowski KU, Tomford WW, Yeadon A, Deutsch TF, Mankin HJ, Uthoff HK. Clinical Orthopaedics 317:254-62, 1995.
5. **Enhancement of incorporation of partially demineralized and laser-perforated cortical bone grafts.** Lewandrowski KU, Tomford WW, Schomacker KT, Deutsch TF, Mankin HJ. Transactions of the Orthopaedic Research Society, 41:84-14, 1995.
6. **Classification of articular cartilage lesions of the knee at arthroscopy.** Lewandrowski KU, Ekkernkamp A, David A, Muhr G, Schollmeier G. The American Journal for Knee Surgery, Summer, Vol 9, No. 3:121-28, 1996.
7. **Kinetics of cortical bone demineralization: Controlled demineralization - a new method for modifying cortical bone allografts.** Lewandrowski, KU, Venugopalan V, Tomford WW,

07

- Schomacker KT, Mankin HJ, Deutsch TF. *J Biomedical Materials & Research*, Vol. 31:365-72, 1996.
8. **Use of the Er:YAG Laser for improved plating in maxillofacial Surgery: Comparison of Bone Healing in Laser and Drill Osteotomies.** Lewandrowski KU, Lorente C, Schomacker KT, Flotte TJ, Wilkes JW, Deutsch TF. *Lasers in Surgery and Medicine* 19:40-45, 1996.
9. **Repopulation of laser-perforated chondroepiphyseal matrix with xenogenic chondrocytes: An experimental model.** Caruso E, Lewandrowski KU, Ohlendorf C, Tomford WW, Zaleske DJ. *Journal of Orthopaedic Research*, 14:102-107, 1996.
10. **MHC-Restriction of cytotoxic antibodies to bone allografts.** Lewandrowski KU, Tomford WW, Springfield D, Mankin HJ. [German] *Langenbecks Arch Chir Suppl.* 1:117-22, 1996.
11. **Interlocking strength in hydroxyapatite - and titanium-coated implants under weight bearing conditions: A biomechanical and histologic study.** David A, Lewandrowski KU, Eitenmuller J, Muhr G, Pommer A, Bar F, Ostermann PAW. *Orthopaedics International* Edition, Vol 4, No 3:2-9, 1996
12. **Surgical Correction of Talipes Equinovarus Following Foot and Leg Compartment Syndrome.** David A, Lewandrowski KU, Josten C, Ekkernkamp A, Clasbrummel B, Muhr G. *Foot & Ankle*, 211:1-6, 1996.
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55. **Cord and cauda equina injury complicating elective orthopedic surgery.** Lewandrowski KU, McLain RF, Lieberman I, Orr D. *Spine*. 2006 Apr 20;31(9):1056-9.
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57. **Three-level bilateral pediculolysis following osteoporotic lumbar compression fracture.** Smith JL, Goorman SD, Baron JM, Curtin SL, Lewandrowski KU. *Spine J*. 2006 Sep-Oct;16(5):539-43. Epub 2006 Jul 24.
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59. **Microdiscectomy Spinal Anesthesia Offers Optimal Results in General Patient Population.** McLain RF, Tetzlaff JE, Bell GR, Lewandrowski KU, Yoon HJ, Rana M. *J Surgical Orthopaedic Advances*, 2007, 16(1); 5-11.
60. **Brachial neuritis: an under-recognized cause of upper extremity paresis after cervical decompression surgery.** Park P, Lewandrowski KU, Ramnath S, Benzel EC. *Spine*. 2007 Oct 15;32(22):E640-4.
61. **"Outside-in" technique, clinical results, and indications with transforaminal lumbar endoscopic surgery: a retrospective study on 220 patients on applied radiographic classification of foraminal spinal stenosis.** Lewandrowski KU. *Int J Spine Surg*. 2014 Dec 1;8. <https://doi.org/10.14444/1026>.

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64. **Endoscopic Transforaminal and Lateral Recess Decompression After Previous Spinal Surgery.** Lewandrowski KU. International Journal of Spine Surgery. Vol. 12, No. 2, 2018, pp. 1–14. 8. <https://doi.org/10.14444/5016>.
65. **Readmissions After Outpatient Transforaminal Decompression For Lumbar Foraminal And Lateral Recess Stenosis,** Lewandrowski KU. International Journal of Spine Surgery, Vol. 12, No. 3, 2018, pp. 1–10. <https://doi.org/10.14444/504>.
66. **Incidence, Cost, and Management of Complications after Transforaminal Endoscopic Decompression Surgery for Lumbar Foraminal and Lateral Recess Stenosis: A Value Proposition for Outpatient Ambulatory Surgery,** Lewandrowski KU. Int J Spine Surg. February 2019, 13 (1) 53-67; DOI: <https://doi.org/10.14444/6008>.
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69. **Treatment of Soft Tissue and Bony Spinal Stenosis by a Visualized Endoscopic Transforaminal Technique Under Local Anesthesia.** Yeung AT, Roberts A, Zhu L, Qi L, Zhang J, Lewandrowski KU. Neurospine 2019;16(1):52-62. DOI: <https://doi.org/10.14245/ns.1938038.019>.
70. **The Concept for A Standalone Lordotic Endoscopic Wedge Lumbar Interbody Fusion: The LEW-LIF.** Lewandrowski KU, Ransom NA, Ramírez León RF, Yeung AT. Neurospine. 2019;16(1):82-95. DOI: <https://doi.org/10.14245/ns.1938046.023>.

PRESENTED PAPERS/SPEAKING ENGAGEMENTS:

1. **Accelerated Incorporation of cortical bone allografts following partial demineralization and laser-perforation.** Lewandrowski KU, Tomford WW, Ekkernkamp A, Muhr G. 57th Annual Meeting of the German Society for Traumatology, Berlin, Germany, November 22-25, 1995.
2. **MHC-Restriction of cytotoxic antibodies to bone allografts.** Lewandrowski KU, Tomford WW, Springfield D, Mankin HJ. 113th Congress of the German Society for Surgery, Berlin, Germany, April 9-13, 1996.
3. **Enhancement of incorporation of partially demineralized and laser- perforated cortical bone grafts.** Lewandrowski KU, Tomford WW, Schomacker KT, Deutsch TF, Mankin HJ. Orthopaedic Research Society, Orlando, 1996.
4. **Osteoinduction in cortical bone grafts by controlled demineralization and laser-perforation.** Lewandrowski KU, Tomford WW, Mankin HJ, Schollmeier G, Ekkernkamp A, Muhr G. XXXI Congress of the European Society for Surgical Research, Southampton, UK, March 31 - April 3, 1996.
5. **Enhancement of incorporation of partially demineralized and laser- perforated cortical bone grafts.** Lewandrowski KU, Tomford WW, Schomacker KT, Deutsch TF, Mankin HJ. Transactions of the Orthopaedic Research Society, 41:84-14, 1995.

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6. **Sacral Resection in the Treatment of Recurrent Colorectal Cancer.** Lewandrowski KU , McLain, RF. Mid-America Orthopaedic Association, 23rd Annual Meeting, April 20-24, 2005, Amelia Island Plantation, Amelia Island, Florida.
7. **Vertebral Osteolysis after Posterior Interbody Lumbar Fusion with Recombinant Human BMP-2.** Kai-Uwe Lewandrowski, MD, Christopher J Nanson, MD, Roberto D Calderon, MD, Podium No: 447, 2007 Annual Meeting, American Academy of Orthopaedic Surgeons, February 12 – 16, 2007, San Diego.
8. **Technical Caveats of Endoscopic Transforaminal Microdiscectomy.** Visiting Professor for Joint Grand Rounds Spine Center Cedars Sinai, Department of Orthopaedics and Neurosurgery, Los Angeles, September 25, 2007.
9. **Early Clinical Results Using a New Transforaminal Endoscopic Technique for the Treatment of Disc Herniations and Foraminal Stenosis.** Visiting Professor for Joint Grand Rounds Spine Center Cedars Sinai, Department of Orthopaedics and Neurosurgery, Los Angeles, September 26, 2007.
10. **Endoscopic Transforaminal Microdiscectomy.** Station Director for Physician Cadaver Training Course at the 2. Annual Meeting of the Society for Minimally Invasive Spinal Surgery, San Diego, November 15, 2007.
11. **Transforaminal Endoscopic Decompression of Foraminal Stenosis.** Invited Presentation at the 2. Deutscher Wirbelsäulenkongress, Mannheim, 13. December, 2007.
12. **Techniques and Indications of Endoscopic Transforaminal Decompression: Invited Presentation Annual Meeting Israeli Spine Society Meeting, Eilat, Israel April 7-8, 2008.**
13. **Techniques and Indications of Endoscopic Transforaminal Decompression: First World Congress of Minimally Invasive Spinal Surgery and Techniques, Honnulu, Hawaii, June 5-7, 2008.**
14. **Clinical Results of Endoscopic Transforaminal Decompression: First World Congress of Minimally Invasive Spinal Surgery and Techniques, Honnulu, Hawaii, June 5-7, 2008.**
15. **Outcomes with Transforaminal Lumbar Interbody Fusion.** Simpósio Internacional de Coluna (SINCOL / LASAS) 2011, Rio de Janeiro, August 1-3, 2011.
16. **Indications and Patient Selection For Lumbar Endoscopic Microdiscectomy and Stenosis Surgery.** Simpósio Internacional de Coluna (SINCOL / LASAS) 2011, Rio de Janeiro, August 1-3, 2011.
17. **Pitfalls, Tips and Tricks Endoscopic Lumbar Transforaminal Decompression.** Simpósio Internacional de Coluna (SINCOL / LASAS) 2011, Rio de Janeiro, August 1-3, 2011.
18. **Posterior Cervical Endoscopic Foraminotomy.** III WCMISST Congress Praia do Forte, Salvador Brazil, August 18, 2012.
19. **Debator Round Table Discussion.** III WCMISST Congress Praia do Forte. Salvador Brazil, August 18, 2012.
20. **Clasificación y Tratamiento Endoscopico de Estenose Lumbar.** III Simposio Cirurgia de Minima Agresion y Soluciones Biologicas En Columna y Rodilla. Centro Kennedy, Universidad de Chile, Santiago de Chile, August 28-30, 2013.
21. **Costo-Effectividad en la Cx de Fusión Lumbar.** III Simposio Cirurgia de Minima Agresion y Soluciones Biologicas En Columna y Rodilla. Centro Kennedy, Universidad de Chile, Santiago de Chile, August 28-30, 2013
22. **Complications of Endoscopic Transforaminal Microdiscectomy.** V SICCMi Congress, Guanajuato Mexico, December 5-8, 2013.
23. **Indications and Techniques of Endoscopic Transforaminal Microdiscectomy.** V SICCMi Congress, Guanajuato Mexico, December 5-8, 2013.

24. **Tricks and Pearls Oblique Lumbar Interbody Fusion.** V SICCM Congress, Guanajuato Mexico, December 5-8, 2013.
25. **Techniques and Indications for Endoscopic Lumbar Microdiscectomy and Lateral Recess Decompression.** World Congress of WFMISS April 8 – 12, 2014, Istanbul, Turkey.
26. **Techniques and Indication of Endoscopic Posterior Cervical Foraminotomy.** World Congress of WFMISS April 8 – 12, 2014, Istanbul, Turkey.
27. **Complications of Lumbar Endoscopic Microdiscectomy Surgery.** World Congress of WFMISS April 8 – 12, 2014, Istanbul, Turkey.
28. **Endoscopically Assisted Interbody Fusion Techniques.** World Congress of WFMISS April 8 – 12, 2014, Istanbul, Turkey.
29. **State of the Art of Videoendoscopy of the Spine (Cirurgia videoendoscópica da coluna vertebral. Estado da Arte).** Visiting Professor in the - UNIRIO - Universidade Federal de Exstato Rio de Janeiro - Masters Program in Videoendoscopy. VI SEMINÁRIO INTERNACIONAL DE CIRURGIA VIDEOENDOSCÓPICA. Programa de Pós-graduação em Medicina - Mestrado Profissional em Técnicas Videoendoscópicas. Programa de Pós-graduação em Neurologia - Mestrado e Doutorado em Neurologia. Anfiteatro Geral do HUGG 05 de Julho de 2014, Rio de Janeiro, Brazil.
30. **Endoscopically Assisted Interbody Fusion Techniques.** 57° Congresso De Neurocirurgia, November 5-8, 2014, Puerto Varas, Chile.
31. **Endoscopically Assisted Lumbar Rhizotomy In The Treatment of Axial Back Pain.** 57° Congresso De Neurocirurgia, November 5-8, 2014, Puerto Varas, Chile.
32. **Minimally Invasive Stand-Alone Anterior Lumbar Interbody Fusion Technique.** 57° Congresso De Neurocirurgia, November 5-8, 2014, Puerto Varas, Chile.
33. **State of The Art of Lumbar Endoscopy.** Minimally Invasive Surgery Section. North American Spine Society. November 10, 2014, San Francisco.
34. **Outcomes and Complications with MIS Microdiscectomy.** Invited Guest Speaker, XII SIMINCO São Paulo, August, 28, 2015.
35. **Cervical Percutaneous Endoscopic Rhizotomy: Technique and Scientific Evidence.** Invited Guest Speaker, XII SIMINCO São Paulo, August, 28, 2015.
36. **Minimally Invasive Stand-Alone Anterior Lumbar Interbody Fusion: A Retrospective Review of 100 Patients.** Invited Guest Speaker, XII SIMINCO São Paulo, August, 28, 2015.
37. **What To Do With The Chronic Pain Patient Following Successful Lumbar Fusion. Diagnostic Work Up, Management, and Indications for Follow Up Surgeries.** Invited Guest Speaker, XII SIMINCO São Paulo, August, 28, 2015.
38. **Techniques and Indications for Endoscopic Lumbar Microdiscectomy and Lateral Recess Decompression.** IV Brain & Spine Symposium, September 17-20, 2015, Miami Beach.
39. **Endoscopically Assisted Interbody Fusion Techniques.** IV Brain & Spine Symposium, September 17-20, 2015, Miami Beach.
40. **Techniques and Indications for Endoscopic Posterior Cervical Foraminotomy.** IV Brain & Spine Symposium, September 17-20, 2015, Miami Beach.
41. **Complications of Lumbar Endoscopic Microdiscectomy Surgery.** IV Brain & Spine Symposium, September 17-20, 2015, Miami Beach.
42. **Techniques and Indication of Endoscopic Posterior Cervical Foraminotomy.** VII World Congress of Neuroendoscopy of the International Federation of Neuroendoscopy IFNE, November 1-4, 2015, Puerto Vallarta, Mexico.

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43. **Complications of Lumbar Endoscopic Microdiscectomy Surgery.** VII World Congress of Neuroendoscopy of the International Federation of Neuroendoscopy IFNE, November 1-4, 2015, Puerto Vallarta, Mexico.
44. **Dynamic Stabilization.** 5th World Congress of Minimally Invasive Spine Surgery & Techniques the 15th Annual Meeting of Korean Minimally Invasive Spine Surgery Society the 5th Asian Congress of MISS (WCMISST 2016) held in Jeju Island, Korea from June 1st to 4th, 2016.
45. **Minimally Lumbar Interbody Fusion; Endoscopic vs Tubular.** 5th World Congress of Minimally Invasive Spine Surgery & Techniques the 15th Annual Meeting of Korean Minimally Invasive Spine Surgery Society the 5th Asian Congress of MISS (WCMISST 2016) held in Jeju Island, Korea from June 1st to 4th, 2016.
46. **Indicações, Técnicas E Resultados Das Vias Transforaminal E Lateral.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
47. **Artrodeose Lombar Por Via Endoscópica.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
48. **Utilidade Da Divisão Do Multifidus Nas Abordagens Posterior E Transforaminal Para A Fusão Intervertebral.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
49. **Indicações E Técnicas De OLIF Assistida Endoscopicamente.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
50. **Hérnias Extrusas e Sequestros Disciais com Radiculopatia.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
51. **Foraminoplastia Lombar Endoscópica - Indicações e Técnicas.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
52. **Artrodeose Lombar Por Via Endoscópica.** 1st International Symposium of Videoendoscopic Spinal Surgery. Hospital Naval Marcillo Dias. Rio de Janeiro, 16th Julho de 2016.
53. **Applied Micro-Anatomy of the Lumbar Lateral Recess and Neuroforamen.** Symposium Técnicas Modernas e Avanços da Cirurgia da Coluna Vertebral. 25 e 26 de November 2016. Hotel JP, Rodovia Anhanguera km 306.5, Ribeirão Preto – SP, Brazil.
54. **Interlaminar, and Full-Endoscopic Lumbar Decompression.** Symposium Técnicas Modernas e Avanços da Cirurgia da Coluna Vertebral. 25 e 26 de November 2016. Hotel JP, Rodovia Anhanguera km 306.5, Ribeirão Preto – SP, Brazil.
55. **Cost-Effectiveness of Spinal Endoscopy in Comparison to Open Lumbar Laminectomy.** Symposium Técnicas Modernas e Avanços da Cirurgia da Coluna Vertebral. 25 e 26 de November 2016. Hotel JP, Rodovia Anhanguera km 306.5, Ribeirão Preto – SP, Brazil.
56. **Indications, Techniques, and Clinical Outcomes with Cervical Rhizotomy and Laminectomy.** Symposium Técnicas Modernas e Avanços da Cirurgia da Coluna Vertebral. 25 e 26 de November 2016. Hotel JP, Rodovia Anhanguera km 306.5, Ribeirão Preto – SP, Brazil.
57. **Role of Transforaminal Decompression in Revision of Failed Complex Thoracolumbar Fusions.** Symposium Técnicas Modernas e Avanços da Cirurgia da Coluna Vertebral. 25 e 26 de November 2016. Hotel JP, Rodovia Anhanguera km 306.5, Ribeirão Preto – SP, Brazil.

58. **Standalone endoscopic lumbar interbody fusion for grade one spondylolisthesis with associated foraminal and lateral recess.** XVIII Congreso Nacional de Asociación Mexicana de Cirujanos de Columna (AMCICO) September 14th, 2017, Accapulco, Mexico
59. **Advanced endoscopic lumbar Foraminoplasty techniques. Clinical outcomes with SAP resection.** XVIII Congreso Nacional de Asociación Mexicana de Cirujanos de Columna (AMCICO) September 14th, 2017, Accapulco, Mexico
60. **Indication for Lumbar Endoscopy. Who is a Good Surgical Candidate.** VII Congreso Sociedad Interamericana de Cirugía de Columna Minimamente Invasiva (SICCM), 9 – 11 November 2017, Santiago de Chile, Chile.
61. **Complications of Endoscopic Lumbar Surgery.** VII Congreso Sociedad Interamericana de Cirugía de Columna Minimamente Invasiva (SICCM), 9 – 11 November 2017, Santiago de Chile, Chile.
62. **Stand Alone Endoscopic Interbody Fusion for Grade I Spondylolisthesis.** VII Congreso Sociedad Interamericana de Cirugía de Columna Minimamente Invasiva (SICCM), 9 – 11 November 2017, Santiago de Chile, Chile.
63. **Advanced Endoscopic Lumbar Foraminoplasty Techniques.** VII Congreso Sociedad Interamericana de Cirugía de Columna Minimamente Invasiva (SICCM), 9 – 11 November 2017, Santiago de Chile, Chile.
64. **Indications and Fusion Techniques Oblique Lumbar Intervertebral assisted with Endoscopy.** 1st Annual Meeting of the International Society of Endoscopic Spine Surgery (ISESS), November 30 to December 3, 2017, Guangzhou Shi, Guangdong Sheng, China.
65. **Percutaneous Endoscopic Transforaminal and Lateral Recess Decompression After Previous Spinal Surgery.** 1st Annual Meeting of the International Society of Endoscopic Spine Surgery (ISESS), November 30 to December 3, 2017, Guangzhou Shi, Guangdong Sheng, China.
66. **Readmission after Endoscopic Transforaminal Surgery.** Academic Exchange in Guangdong General Hospital, December 1st, 2017, Guangzhou Shi, Guangdong Sheng, China.
67. **Indications and Fusion Techniques: Oblique Lumbar Intervertebral Assisted with Endoscopy.** World Spine 8 Meeting, April 13-18 2018, Porto, Portugal.
68. **Complications of Lumbar Spinal Endoscopy.** World Spine 8 Meeting, April 13-18 2018, Porto, Portugal.
69. **Best Candidates for Lumbar Spinal Endoscopy.** 15 Curso Taller de Técnicas Avanzadas en Cirugía Endoscópica de Columna Lumbar. CLEMI Bogota Columbia, July 27-28, 2018.
70. **Indications and Fusion Techniques: Oblique Lumbar Intervertebral Assisted with Endoscopy.** 15 Curso Taller de Técnicas Avanzadas en Cirugía Endoscópica de Columna Lumbar. CLEMI Bogota Columbia, July 27-28, 2018.
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4. **Osteoconductivity And Biocompatibility Of An Injectable And Bioresorbable Poly(Propylene Glycol-Co-Fumaric Acid) Bone Cement.** Kai-Uwe Lewandrowski, Joseph



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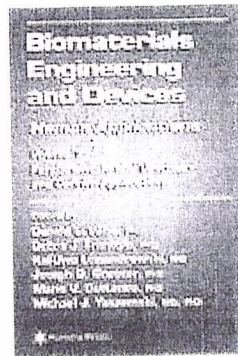
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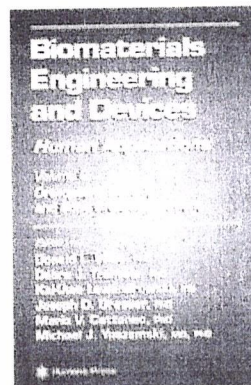
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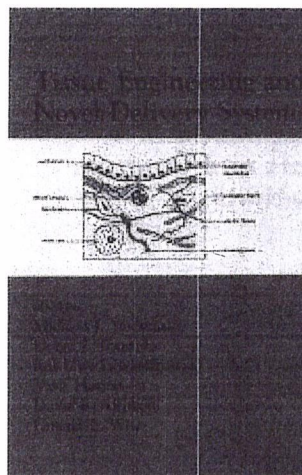
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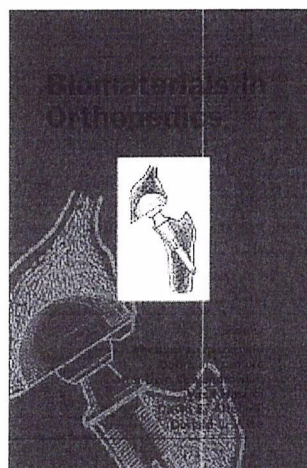
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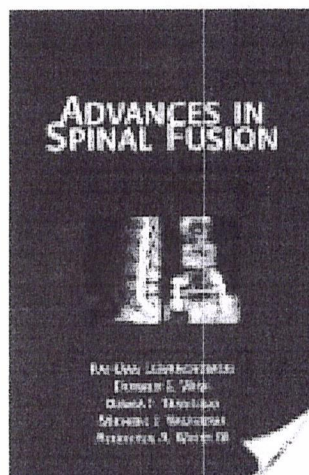
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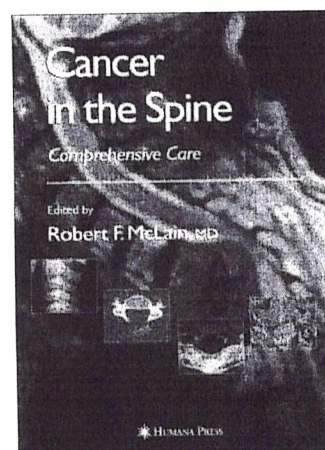
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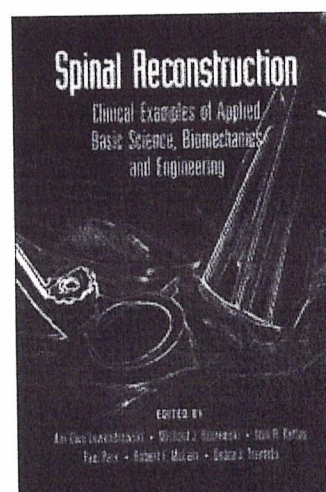
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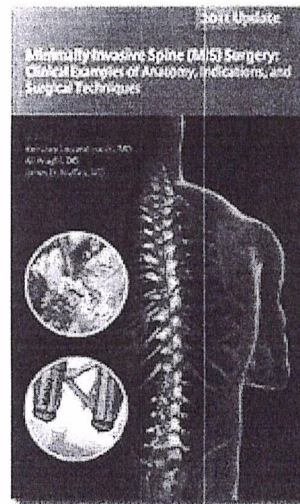
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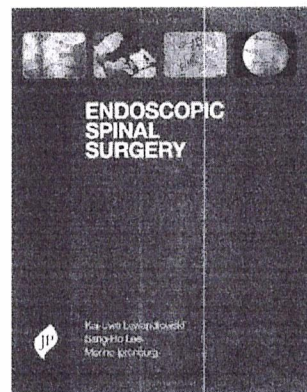
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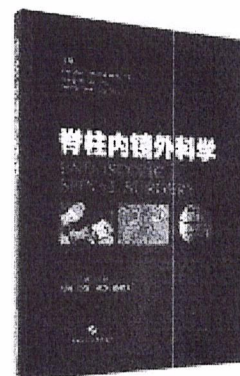
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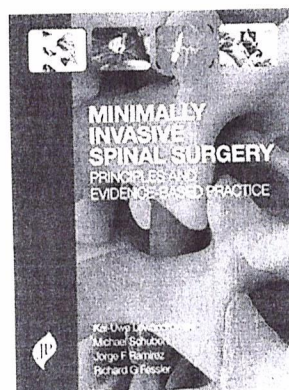
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PATENTS

Inventor & Co-Inventor Kai-Uwe Lewandrowski, MD

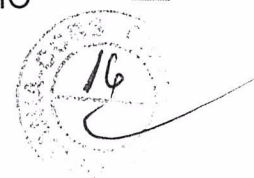
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Jan 17, 2006 6986788	Intervertebral allograft spacer
Nov 27, 2007 7300465	Intervertebral allograft spacer
Aug 17, 2004 6776800	Implants formed with demineralized bone
Feb 15, 2005 6855169	Demineralized bone-derived implants
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UNIVERSIDADE FEDERAL DO ESTADO DO RIO DE JANEIRO – UNIRIO
Centro de Ciências Biológicas e da Saúde – CCBS



Memo GD/CCBS nº 276 /19

Rio, 12 de Novembro de 2019.

Do Decano do Centro de Ciências Biológicas e da Saúde
Prof. Dr. Agostinho Manuel da Silva Ascensão

À Chefia de Gabinete da Reitoria,

Assunto: Concessão de Título

Estamos encaminhando o presente processo referente à Concessão de
Título de Doutor *Honoris Causa* a Kai – Uwe Lewandrowski.

Atenciosamente,


Agostinho Manuel da Silva Ascensão
Decano do CCBS

Prof. Dr. Agostinho Manuel da Silva Ascensão
DECANO DO CCBS - UNIRIO
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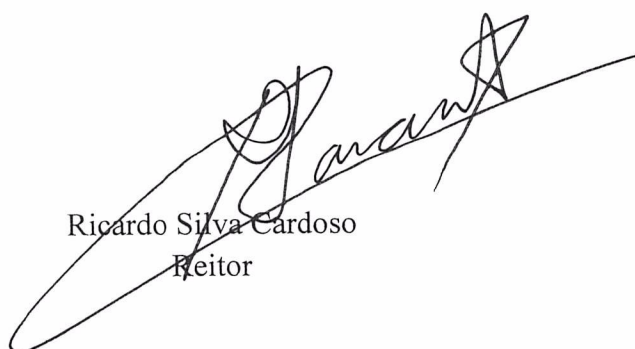


Rio de Janeiro, 18 de novembro de 2019.

Senhora Secretária dos Conselhos Superiores:

Encaminho o presente Processo para inclusão na pauta junto ao Conselho Universitário (CONSUNI).

Atenciosamente,



Ricardo Silva Cardoso
Reitor