
Curriculum Vitae

Naam: Jean- Pierre Simon
Geboortedatum: Tongeren 28 maart 1955
Functie: Orthopedisch chirurg
Heupchirurgie

Studies:

Promotion tot 'Arts': 1980 K.U.Leuven

Promotion tot 'Orthopedisch chirurg en Traumatologie': 1986 K.U.Leuven

Phd: 'Restoration of Bone Stock with Impacted Cancellous Allograft and Cement in Revision of the Femoral Component in Total Hip Arthroplasty. A Clinical and Biomechanical Study.

PhD Thesis K.U. Leuven, Department of Orthopaedic Surgery, December 1994

Promotie 'Professor in de Orthopedische chirurgie'

Postgraduaat training:

June 1989 - April 1990 : Research Fellow and Registrar to Mr RSM Ling :
Princess Elizabeth Orthopaedic Hospital, Exeter, Devon, U.K.

June 1989 - April 1990 : Research Fellow, Bioengineering Department, University of Exeter,
U.K.

Research on the Mechanical Behaviour of Bone Cement. Study on the Influence of Temperature and Environmental Factors on "creep" properties and stress relaxation of bone cement subjected to tensile and compressive forces.

Residency:

01.08.80 - 31.07.81: U.Z. Pellenberg (Orthopaedic Surgery)

01.08.81 - 31.07.82: H. Hart kliniek - Leuven
Orthopaedic Surgery-General Surgery

01.08.82 - 31.01.83: U.Z. Pellenberg Orthopaedic Surgery

01.02.83 - 31.01.84: Princess Elizabeth Orthopaedic Hospital
Royal Devon and Exeter Hospitals,
Wonford Exeter U.K.
3 months Orthopaedic Surgery
9 months Traumatology

01.02.84 - 31.07.85: U.Z. Pellenberg: Orthopaedic Surgery

01.08.85 - 31.07.86: H. Hartkliniek Naamsestraat Leuven
Ortho-Urology-Abdominal surgery
Vascular surgery

September 1980: E CFMG Exam.

11.1987– present: Orthopaedic surgery University Hospital Leuven
Hip

- Resident : Nov 1987 - Nov. 1989 U.Z. Leuven
- Adjunct-supervisor : Nov. 1989 U.Z. Leuven
- Supervisor : Nov. 1991 U.Z. Leuven
- Adjunct-Kliniekhoofd : Aug. 1993 U.Z. Leuven
- Kliniekhoofd : oktober 2003

Wetenschappelijke lidmaatschappen:

- Belgian Arthroscopy Association (ABA)
- Belgische Vereniging Orthopedie en Traumatologie
- Alumni Leuven, Belgium
- European Hip Society
- American Academy of Orthopaedic Surgeons
- Belgian Hip Society : ondervoorzitter (vice-president)

Onderzoek 1991 - 2001:

Bone remodelling using a polished collarless stem in cemented revision arthroplasty: A 2-D finite element analysis. Research in coordination with the biomechanics lab at the K.U. Leuven. **(published)**

Research on the Mechanical Behaviour of Bone Cement. Study on the Influence of Temperature and Environmental Factors on "creep" properties of bone cement subjected to tensile and compressive forces and the effect on stress relaxation.

Research Fellow, Bioengineering Department, University of Exeter, U.K. **(published)**

Development of an Elastomer Coated Hip prosthesis. Research in coordination with the Faculty of Applied Sciences, Metallurgy and Chemical Engineering at the K.U. Leuven and the Faculty of Veterinary Medicine, University of Gent. **(published)**

Wear of Titanium Femoral Heads. Research in coordination with the Faculty of Applied Sciences, Metallurgy and Chemical Engineering at the K.U. Leuven.

Wear of fixed and loose Cobalt-Chromium alloyed Femoral Stems. Research in coordination with the Faculty of Applied Sciences, Metallurgy and Chemical Engineering at the K.U. Leuven. **(published)**

Metallurgical study of fatigue fractures of titanium alloyed femoral stems used in complex peritrochanteric fractures. Research in coordination with the Faculty of Applied Sciences, Metallurgy and Chemical Engineering at the K.U. Leuven. **(published)**

Computer assisted navigation for acetabular cup placement.

In coordination with the engineering department (biomechanics) at the K.U. Leuven. **(published)**

Publicaties:

The Value of Posterolateral Bone-Grafting for Non-Union of the Tibia.

Simon J.P., G. Fabry.

Acta orthop. belg., 50, 557-564, 1984

Transchondral Talar Dome Fracture.

J. Huylebroeck, M. Martens and J.P. Simon.

Arch Orthop Trauma Surg 104: 238-241, 1985

Het Belang van Opwarming in de Sport.

J.P. Simon

Telum 1: 6-8, 1986

An Overview of Implant Materials.

J.P. Simon and G. Fabry.

Acta Ortop. Belg. Vol 57-1, p. 1-5, 1991

Comminuted Fracture of the Scapula Following Electric Shock. A case Report.

J.P. Simon, I. Van Delm and G. Fabry.

Acta Orthop. Belg. Vol. 57-4, p. 459-460, 1991

Impaction Cancellous Grafting of the Femur in Revision Arthroplasty of the Hip.

J.P. Simon, J.A. Timperley and R.S.M. Ling.

Journal of Bone and Joint Surgery 73-B: suppl I p.73, 1991

De Heupprothese. Een succes, maar niet onbeperkt.

J.P. Simon en G. Fabry.

U.Z. Gezondheidsbrief 12, p. 11-12, 1992

Postero-Lateral Bone Grafting for Non-union of the tibia.

J.P. Simon, M. Hoogmartens, J Stuyck and G. Fabry.

Acta Orth. Belg. Vol. 58-3, p. 308-313, 1992

De Totale Heuprothese.

Wetenschappelijke Tijdingen (Tijdschrift voor Huisartsen)

J.P. Simon.

nr. 65 p. 28-31, 1992

De Exeter Heupprothese.
Ligament - Verpleegkundig Informatief Tijdschrift
J.P. Simon.
nr. 3 Jaargang 23 - Februari - p. 20-22, 1992.

Profylaxe van veneuze trombosen.
Essentieel in de orthopedie.
La profylaxe des thromboses veineuses.
Essentielle en chirurgie orthopédique.
J.P Simon
BMA actualiteiten 1992 nr. 369, December 3 , 1992.

Impacted Cancellous Allografts and Cement for Revision Total Hip Arthroplasty.
G.A. Gie, R.S.M. Ling, A.J. Timperley, L. Linder, J.P. Simon and T.J.J.H. Slooff.
J Bone Joint Surg (Br) 75-B: 14-21, 1993

Contained Morselized Allograft in Revision Total Hip Arthroplasty - Surgical Technique.
Gie G.A., Linder L., Ling R.S.M., Simon J.P., Slooff T.J.J.P. and Timperley A.J. (alph. order)
Orthop Clin North Am. 24:4 p 717-725, 1993.

Fracture-Dislocation of the Tarsal Navicular.
J.P. Simon, I. Van Delm and G. Fabry.
Acta Orthop.Belg. Vol 59, p. 222-224, 1993.

Sciatic Nerve Palsy following Total Hip Replacement.
J.P. Simon, I Van Delm and G. Fabry.
Acta Orthop. Belg. Vol 59, p. 156-162, 1993.

Biocompatibility Testing of thermoplastic elastomers for use in hard tissue replacements.
J.A. Helsen, S. Jacques, J.P. Simon and D. Mattheeuws
Copyright 1993, The Institute of Materials.
1 Carlton House Terrace, London SW1Y 5DB.
Polymers in Medecine and Surgery. Sept. p. 98-106, 1993.

Evaluation of an elastomer for biomedical use in load-bearing applications.
Part I. In vitro Fatigue Testing.
J.A. Helsen, S.V. Jacques, J.P. Simon, J. Van Humbeeck.
J Mater Science: Materials in Medicine 4 p 471-480, 1993.

Biocompatibility Testing of thermoplastic elastomers for use in hard tissue replacements.
J.A. Helsen, S. Jacques, J.P. Simon and D. Mattheeuws.
Polymers & Polymer Composites 2(6) p 399A-405A, 1994.

Restoration of Bone Stock with Impacted Cancellous Allograft and Cement in Revision of the Femoral Component in Total Hip Arthroplasty. A Clinical and Biomechanical Study. PhD Thesis K.U. Leuven, Department of Orthopaedic Surgery.
J.P. Simon (1994).

In Vitro and in Vivo Compatibility Testing of Thermoplastic Polyolefins. Proceedings of the 8th CIMTEC- World Ceramics Congres and Forum on New Materials.
J.A. Helsen, S. Jacques, J.P. Simon, D. Mattheeuws and H Desmet.
Ed. P. Vincenzi, Vol L : Materials in Clinical Applications, X + 812 pp. (Techna Public. 1995)

Femoral Reconstruction. Cement with Graft.

G.A. Gie, L. Linder, R.S.M. Ling, J.P. Simon, T.J.J.H. Slooff and. A.J. Timperley.

In Total Hip Revision Surgery. ISBN 0-7817-0231-3.

p. 367-373, 1995.

Development of an Elastomer Coated Hip Prosthesis.

S.V. Jacques, J.A. Helsen, J.P. Simon and D. Mattheeuws.

J. Mater Science: Materials in Medecine 6: 685-689, 1995.

Stem Fracture in the VDP Prosthesis.

J Orthop Trauma 10 (7): 515, 1997.

J.P. Simon

Wear of a Titanium-Alloy Shoulder Prosthetic Head.

J.P. Simon, L. De Smet, G. Fabry

Acta Orthop Belg 63-2 p. 126-127, 1997.

Finite Element Analysis applied to Bone Remodelling in Revision Arthroplasty of the Femur Using Morselized Allograft and Cement.

J.P. Simon, J. Vander Sloten, R. Van Audekercke, G. Van Der Perre, R.S.M. Ling,

G.A. Gie, G. Fabry.

Hip International Vol 8, p. 51-61, 1998.

Ganglia of the Superior Tibiofibular Joint: Report of Three Cases and Review of the Literature.

F. de Schrijver, J.P. Simon, L. De Smet, G. Fabry

Acta Orthop Belg 64-2 p. 233-241, 1998.

Core Decompression for Avascular Necrosis of the Femoral Head.

C. Van Laere, M. Mulier, J.P. Simon, J. Stuyck, G. Fabry

Acta Orthop Belg 64-3 p. 269-272, 1998.

Massive Osteolysis of the Shoulder (Gorham-Stout Syndrome)

Steven Pans, Jean-Pierre Simon, Carl Dierckx

J Shoulder Elbow Surg Vol 8, Number 3 p. 281-283, 1999.

Parsonage-Turner Syndrome Following Total Hip Replacement

J Arthroplasty Vol 4, Number 4 p. 518-520, 2001.

JP Simon, Guy Fabry

One stage bilateral total hip replacement: A retrospective study of 70 patients.

Welters H, Jansen I, JP Simon, Devos J

Acta Orthop Belg Vol 68-3 p. 231-234, 2002.

Posterior transosseous capsulotendinous repair in total hip arthroplasty.

W. Sioen, JP. Simon, DL. Labey, R. Van Audekercke

J Bone Joint Surg (Am) 84: 1793-1789, 2002.

Factors Affecting the Mechanical and Viscoelastic Properties of Acrylic Bone Cement.

AJC Lee, RSM Ling, S. Gheduzzi, JP Simon, JR Renfro

J Material Science – Materials in Medecine 13: 723-733, 2002

A semi-active milling procedure in view of preparing implantation beds in robot-assisted orthopaedic surgery.

G Van Ham, K Denis, J Vander Sloten, R Van Audekercke, G Van der Perre, J De Schutter, J-P Simon and G Fabry.

J Engineering in Medicine. Proc. IMechE. Vol. 219 Part H. 163-173, 2005.

Stress fracture of the acetabulum in a ballet dancer. A case report.

E Thienpont, JP Simon.

Acta Orthop Belg Vol 71, 740-742, 2005.

Intraoperative arterial occlusion in total hip arthroplasty. A report of two cases.

Simon JP, Van Raebroeckx A, Bellemans J.

Acta Orthop Belg. Vol73, 533-535.

Metastasis from renal cell carcinoma presenting as osteolysis in total hip arthroplasty: A case report.

JP Simon, J Bellemans, I Samson

Acta Orthop Belg Vol 74, Feb, 2008

Wear in conventional and highly cross-linked polyethylene cups - a five year follow-up study.

Christophe Olyslaegers, Koen Defoort, Jean-Pierre Simon, Luc Vandenberghe

J Arthroplasty June , 2008. Accepted

Gepubliceerde abstracts:

Impaction cancellous grafting of the femur in cemented total hip revision arthroplasty.

British Orthopaedic association, Autumn meeting, Birmingham, 12-14 September 1990.

Simon J.P., A.J. Timperley and R.S.M. Ling.

Graft and cement: Impaction cancellous grafting of the femur in cemented total hip revision arthroplasty.

Précis scientifiques, abstract 744, p. 398

Ling R.S.M., A.J. Timperley and Simon J.P.

Sicot 90, XVIII World congress , Montréal, September 9 -14, 1990.

Postero-Lateral Bone Grafting for Non-union of the tibia. Abstract Acta Orth. Belg.(1992) Vol. 58-3, p. 191

J. Stuyck, J.P. Simon, M. Hoogmartens, G. Fabry.

Simulation of trabecular bone remodelling around an Exeter hip prosthesis.

Proc. 8th Meeting of the European Society of Biomechanics, Rome, Italy, June 1992, 21-24, p. 158.

Vander Sloten J., Van Audekercke R., Van der Perre G., Simon J.P.

Two-dimensional finite element analysis in revision arthroplasty of the hip, using allografts and cement.

Proc. 14th Annual Conference of the IEEE Engineering in Medicine and Biology Society, Paris, France, Oct. 29-Nov. 1, 1992, p. 20-21.

Vander Sloten J., Van Audekercke R., Van der Perre G. Simon J.P.

Reintervention - Reconstruction.

1st EULAR Postgraduate Course on Rheumatology Sept 12-18, 1993.

J.P. Simon

Two dimensional finite element analysis in revision arthroplasty of the hip using bone allografts and cement.

J.P. Simon, Vander Sloten J., Van Audekercke R., Van der Perre G.

Lisbon, Portugal, Oct. 21-24, 1993.

Measurement of mass eroded from a THR stem

Abstract 13th European Conference on Biomaterials sept 1997

J.A. Helsen, S.V. Jacques, J.P. Simon.

Anatomy and Biomechanics of Posterior Capsulotendinous Repair in Hip Arthroplasty . Poster No. PE 390.

Wouter Sioen, Luc Labey, Jean-Pierre Simon, Remi Van Audenkercke

Meeting American Academy Orthopaedic Surgeons. San Francisco 2000. pp 508

A surface matching algorithm to register the acetabulum in robot-assisted THA

Geert Van Ham, Kathleen Denis, Jos Vander Sloten, Remy Van Audekercke, Georges Van der Perre, Joris De Schutter, Jean-Pierre Simon

CARS 2000, p 967 in 2000 Elsevier Science B.V.

Force control as a means to realize supervisory control in robot-assisted total joint arthroplasty.

Vander Sloten J., Van Ham G., Denis K., Van Audekercke R., Van der Perre G., De Schutter J., Bellemans J., Jean-Pierre Simon

International Society for Computer Assisted Orthopaedic Surgery (CAOS – International)

Davos, 7-10 February 2001.

Posters:

Anatomy and Biomechanics of Posterior Capsulotendinous Repair in Hip Arthroplasty . Poster No. PE 390.

Wouter Sioen, Luc Labey, Jean-Pierre Simon, Remi Van Audenkercke

Meeting American Academy Orthopaedic Surgeons. San Francisco 2000.

Preliminary results of gait analysis in Surface Replacement Arthroplasty of the hip:

The Posterolateral versus the Lateral Surgical Approach.

K. Corten, B. Callewaert, R. Driesen, J.P. Simon, P.L.O. Broos, J. Bellemans, G. Molenaers, K. Desloovere