

Stéphane BOISGARD, MD, PhD  
Birth date: 25th December 1958  
Birth location: SURESNES (92). FRANCE



73 avenue du Puy de Dome  
63100 Clermont Ferrand  
FRANCE

## UNIVERSITY DEGREES

- Graduate in Anatomy and embryology

Medical University of CLERMONT-FERRAND, June 1985.

- Graduate in Sport Medicine

Medical University of CLERMONT-FERRAND, June 1988.

- Doctor of Medicine (M.D.)

Cup migration in Total Hip Prosthesis

Medical University of CLERMONT-FERRAND, November 1989.

- Master of Science : Speciality Biomechanics

Ecole Nationale Supérieure d'Arts et Métiers PARIS, September 1991.

- French Board of General Surgery, October 1991

- French Board of Orthopaedic Surgery, June 1993

- Doctor of Science (Ph.D.): Speciality Biomechanics

➤ The 22th of September 1995 to l'Ecole Nationale Supérieure d'Arts et Métiers de Paris.

➤ Board award

➤ Title:

«Biodynamic of the knee: Kinematics analysis by a computed 3D model, build with RMI slices. Study of behavior and reconstruction of ACL and PCL ligaments».

With **Institut National de Recherche en Informatique et Robotique**, Nice. and **Institut Français de Mécanique Avancée**, Clermont Ferrand.

- **Professor of Orthopaedics Surgery**: National board April 2001

Since the 1<sup>st</sup> september, Professor in Clermont Ferrand University Medical school

## MEMBER OF MEDICAL SOCIETIES

➤ Member of : **French Society of Arthroscopy** Décembre 1992.





➤ Member of : **French Society of Orthopaedic Surgery** November 1994.

➤ Member of : **French Society of Hip and Knee Surgery** March 2004 (board March 2013)

➤ Member of ; **European Federation of ORthopaedic and Traumatology** June 2008

➤ Member of : **American Association Hip and Knee Surgeon** November 2013

## UNIVERSITY HOSPITAL

- 
  - Head of the Orthopedics department: University Hospital Clermont Ferrand
  - 3500 patients
  - 400 THA 250 TKA ...
  
- 
  - Learning: Medical School
  
- 
  - Research unit MPS-ICCF-UMR 6296
  - Nanotechnology
  - Bone Graft
  
- 
  - Tissue bank

## SURGICAL PRACTICE

In my surgical practice, I develop especially Hip and Knee surgery.

### TRAUMA SURGERY

- |   |   |
|---|---|
| Upper and lower limbs<br>(without hand and spine) | <ul style="list-style-type: none"> <li>➤ Intra medullary nailing</li> <li>➤ Osteosynthesis assisted by arthroscopy for joint fracture repair</li> </ul> |
|---|---|

### ORTHOPAEDICS

- |                    |  |  |
|--------------------|--|--|
| <b><i>KNEE</i></b> | <p>Arthritis pathology</p><br><p>Arthroscopic repair of chondral pathology</p><br><p>Arthroscopic ligament repair</p><br><p>Meniscus pathology by arthroscopy</p><br><p>Disorders of the patella</p> | <ul style="list-style-type: none"> <li>➤ Osteotomy</li> <li>➤ Unicdylar prosthesis</li> <li>➤ Total prosthesis</li> <li>➤ Total prosthesis Revision</li> <br/> <li>➤ Chondral loss fixation</li> <br/> <li>➤ ACL repair</li> <li>➤ PCL repair</li> <li>➤ Suture</li> <li>➤ Resection</li> <li>➤ Stabilization</li> <li>➤ Arthritis repair</li> </ul> |
| <b><i>HIPS</i></b> | <p>Arthritis</p><br><p>Investigation</p>   | <ul style="list-style-type: none"> <li>➤ Osteotomy</li> <li>➤ Bone graft for acetabular dysplasia</li> <li>➤ Total hip prosthesis</li> <li>➤ Total hip prosthesis revision</li> <li>➤ Hip arthroscopy : Free bone loss, soft tissue impigment</li> </ul>   |

## MAIN PAPERS

1. Maladie d'Ehlers Danloss de type IV avec atteinte artérielle isolée : F.BELLENOT, S. BOISGARD, B. KANTELIP, P. MAILLARD, P. TISSANDIER, J.P. RIBAL, G.GLANDDIER.  
**Annales de Chirurgie Vasculaire**, 1990, 4, 15-19.
2. Congenital constricting band, with pseudarthrosis of tibia : A case report. A.F.TANGUY, B.J.DALENS, S.R.BOISGARD.  
**Journal of Bone and Joint Surgery (Am)**, 1995, 77A, 1251-1254 .
3. Luxation récidivante postérieure post traumatique de la hanche de l'adulte : S.BOISGARD, B.AUFAUVRE, E.JAUD, G.GUYONNET, J.P.LEVAI.  
**Revue de Chirurgie Orthopédique**, 1996, 82, 462-465.
4. Fracture scapho-capitale. A propos d'un cas revue de la littérature. S. BOISGARD, J.L. BREMONT, T. CHATENET, E. FOUQUE, J.P. LEVAI.  
**Annales de Chirurgie de la Main**, 1996, 15 (3), 181-188.
5. Mesure de la torsion des deux os de l'avant bras : évaluation tomодensitométrique, avec des points de référence : B. AUFAUVRE, J.M. GARCIER, S. BOISGARD, A. TANGUY.  
**Bulletin de l'Association des Anatomistes**, 1996, 80 (248), 5-8.
6. Acetabular reconstruction in total hip revision using a bone graft substitute. Early clinical and radiographic results. J.P LEVAI, S.BOISGARD.  
**Clinical Orthopaedics and Related Research**, 1996, 330,108-114.
7. Le muscle soleaire accessoire. Apropos de deux cas. Revue de la littérature : S.BOISGARD, E.PERONNE, P.KALFON, J.P.LEVAI, J.L.MICHEL  
**Revue du Rhumatisme**, 1996, 63(11),999-1002.
8. Evaluation radiologique de l'intégration de greffes osseuses et d'un substitut osseux, après implantation pour complément des pertes de substances osseuses cotyloïdiennes lors des reprises de prothèses totales de hanche : S. BOISGARD, B. AUFAUVRE, J.P. LEVAI, J.L MICHEL.  
**Chirurgie**, 1997, 122 (2), 153-156.
9. Un hématome post-traumatique récidivant révélant une métastase musculaire : O. BAUD, J.J DUBOST, M. SOUBRIER, S. BOISGARD, P. VERELLE, B. SAUVEZIE.  
**Revue du Rhumatisme**, 1997, 64 (6), 507.
10. Comblement par un substitut osseux des pertes de substances osseuses cotyloïdiennes rencontrées lors des reprises de prothèses totales de hanches : J.P. LEVAI, S. BOISGARD.  
**Annales Orthopédiques de l'Ouest**, 1998, 30, 164-165.
11. Echec des cupules en polyéthylène implantées directement sur l'os. Etude de 32 cupules de Freeman à 9 ans de recul. S. BOISGARD, J.P. LEVAI, E. JAUD, G. GUYONNET, T. CHATENET  
**Revue de Chirurgie Orthopédique**, 1998, 84, 700-704.
12. Study of the variation in length of the anterior cruciate ligament during flexion of the knee : use of model reconstructed from MRI sections : S.BOISGARD, J.P LEVAI, B.GEIGER, K.SAIDANE, B.LANDJERIT.  
**Surgical and Radiologic Anatomy**, 1999, 21, 1-4.

13. Etude du ligament croisé postérieur à l'aide d'un modèle 3D informatique : Biométrie ligamentaire lors de la flexion, Application au remplacement chirurgical du ligament.  
S.BOISGARD, J.P LEVAI, K.SAIDANE, B.GEIGER, B.LANDJERIT.  
**Acta Orthopaedica Belgica**, 1999, 65(4), 492-502
14. Isolation of *Pantoea Agglomerans* in two cases of septic mono arthritis after plant thorn and wood silver sting : C. DE CHAMPS, S. LE SEAUX, J.J DUBOST, S. BOISGARD, B. SAUVEZIE, J. SIROT.  
**Journal of Clinical Microbiology**, 2000, 38(1), 460-461
15. Intraosseous xanthoma without lipid disorders. Case-report and literature review : S. BOISGARD, O. BRINGER, B.AUFAUVRE, T.JOUDET, J.L. KEMENY, J. L.MICHEL, J. P. LEVAI.  
**Joint Bone Spine**, 2000, 67(1), 71-4.
16. Reconstruction fémorale par la prothèses de Wagner dans les reprises d'arthroplasties totales de hanche 52 cas au recul moyen de 44 mois (18 - 88mois) : S. BOISGARD, P.E. MOREAU, H. TIXIER, J.P. LEVAI  
**Revue de Chirurgie Orthopédique**, 2001,87(2), 147-154.
17. Insufficiency fracture :a survey of 60 cases : M. SOUBRIER, J.J DUBOST, S. BOISGARD,B. SAUVEZIE, P GAILLARD, J.L. MICHEL , J.M RISTORI  
**Joint Bone Spine**, 2003, 70, 209-18.
18. Computed tomographic study of the posterior condylar angle in arthritic knees: its use in the rotational positioning of the femoral implant of total knee prostheses : BOISGARD S, MOREAU PE, DESCAMPS S, COURTALHIAC C, SILBERT H, MOREEL P, MICHEL JL, LEVAI JP.  
**Surg Radiol Anat**. 2003 Aug
19. Monitoring of polyethylene wear in nonmetal-backed acetubular cups by digitized anteroposterior pelvic radiography : SARRY L, TILMANT C, BOISGARD S, BOIRE JY, LEVAI JP.  
**IEEE Trans Med Imaging**. 2003 Sep;22(9):1172-82.
20. The CD 34+ CDw90(Thy-1)+ subset co-located with mesenchymal progenitors in human normal bone marrow hematopoietic units is enriched in CFU-Mk and LTC-IC : N. BOIRET, C. RAPATEL, S. BOISGARD, S. CHARRIER, A. TCHIRKOV, C. BRESSON, L. CAMILLERI, J.BERGER, L. GUILLOUARD, J.J.GUERIN, P. PIGEON, J. CHASSAGNE, M.B. BERGER  
**Experimental Hematology**, 2003, 31(12):1275-83.
21. Xenograft-related complications after filling valgus open wedge tibial osteotomy defects : JP LEVAI, O BRINGER, S DESCAMPS, SBOISGARD  
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22. Comparison of two electrical stimulation protocols on quadriceps muscle after anterior cruciate ligament surgery. Feasibility study : LABORDE A, REBAI H, COUDEYRE L, BOISGARD S, EYSSETTE M, COUDERT J.  
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23. Random mtDNA deletions and functional consequence in aged human skeletal muscle.. CHABI B, DE CAMARET BM, CHEVROLLIER A, BOISGARD S, STEPIEN G.  
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24. Characterization of Non-Expanded Mesenchymal Progenitor Cells From Normal Adult Human Bone Marrow : N BOIRET , C RAPATEL, R VEYRAT-MASSON, L GUILLOUARD, JJ GUÉRIN, P. PIGEON, S DESCAMPS, S BOISGARD, MG BERGER  
**Exp Hematol**, 2005, 33 (2) : 219-225
25. Radiographic stereometry for non metal backed acetabular cups: 3D wear estimation and related uncertainty. L. SARRY, S DESCAMPS, S. BOISGARD, JP LEVAI, JY BOIRE  
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26. Résultats à 10 ans de la prothèse totale de hanche cimentée autoblocante de Müller avec cupule en polyéthylène, et tête de 28mm. S. DESCAMPS, S. BOISGARD, P. FAURE, P. MOREEL, J.P. LEVAI  
**Rev Chir Orthop**, 2006, 1, 40-44
27. Echec par descellement aseptique précoce de la cupule acetabulaire cimentées des prothèses totales de hanche a couple de frottement metal metal. J.P. LEVAI, S. DESCAMPS, G. ROCH, S. BOISGARD,  
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**British Journal of Haematology**, 2007,
29. First ex vivo human study with <sup>99m</sup>Tc-NTP 15-5, a new radiotracer for cartilage imaging. : F. CACHIN, C. CHAUVET, S. BOISGARD, P. AUZELOUX, A. VIDAL, M. FILAIRE, S. ASKIENAZY, JM. CHEZAL, J. MAUBLANT, E. MIOT-NOIRAULT.  
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**Eur J Nucl Med Mol Imaging**. 2011 Nov;38(11):2077-82
36. Comparison of Patient and Surgeon Expectations of Total Hip Arthroplasty CLAIRE JOURDAN, SERGE POIRAUDEAU, STÉPHANE DESCAMPS, RÉMY NIZARD, MOUSSA HAMADOUCHE, PHILIPPE ANRACT, STÉPHANE BOISGARD, MYRIAM GALVIN, PHILIPPE RAVAUD  
**PLoS ONE**, 2012, 7(1): e30195. Epub 2012 Jan 17. PMID: 22272303
37. Complex primary arthroplasty. STEPHANE BOISGARD, BENJAMIN BOUILLET, STEPHANE DESCAMPS , JEAN PAUL LEVAI ;  
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38. Complex primary total hip arthroplasty. . S BOISGARD, B. BOUILLET, S. DESCAMPS  
**Orthop Traumatol Surg Res**. 2013 Feb; 99(1 Suppl):S34-42.
39. What are the causes for failures of primary hip arthroplasties in France?  
Delaunay C, Hamadouche M, Girard J, Duhamel A; SoFCOT Group.  
**Clin Orthop Relat Res**. 2013 Dec; 471 (12):
40. Validation of an educational booklet targeted to patients candidate for total knee arthroplasty. ESCHALIER B, DESCAMPS S, BOISGARD S, PEREIRA B, LEFEVRE-COLAUMM, CLAUS D, COUDEYRE E.  
**Orthop Traumatol Surg Res**. 2013 May; 99(3):313-9.
41. Survival analysis of total knee arthroplasty at a minimum 10 years' follow-up: a multicenter French nationwide study including 846 cases.  
ARGENSON JN, BOISGARD S, PARRATTE S, DESCAMPS S, BERCOVY M, BONNEVIALLE P, BRIARD JL, BRILHAULT J, CHOUTEAU J, NIZARD R, SARAGAGLIA D, SERVIEN E; (SOFCOT).  
**Orthop Traumatol Surg Res**. 2013 Jun;99 (4):385-90.
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**Ann Phys Rehabil Med (2014)**, 2014 Apr;57(3):169-84. doi: 10.1016
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JANEL A, DUBOIS-GALOPIN F, BOURGNE C, BERGER J, TARTE K, BOIRET-DUPRE N, BOISGARD S, VERRELLE P, DECHELOTTE P, TOURNILHAC O, BERGER MG.  
**Stem Cells Dev**. 2014 Dec 15;23(24):2972-82. doi: 10.1089/scd.2014.0229.

44. Assessment of the risk factors for impending fractures following radiotherapy for long bone metastases using CT scan-based virtual simulation: a retrospective study ZUZANA TATAR MARTIN SOUBRIER ANNE F. DILLIES PIERRE VERRELLE STEPHANE BOISGARD AND MICHEL LAPEYRE.  
**Radiation Oncology**, 2014, Oct 16;9:227. doi: 10.1186/s13014-014-0227-1.
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**Int Orthop**. 2016 Feb 22.
48. RM Pressfit® cup: good preliminary results at 5 to 8 years follow-up for 189 patients. Erivan R, Eymond G, Villatte G, Mulliez A, Myriam G, Descamps S, Boisgard S.  
**Hip Int**. 2016 Jul 25;26(4):386-91. doi: 10.5301/hipint.5000359. Epub 2016 May 30.
49. Effect of local anaesthetic wound infiltration on acute pain and bleeding after primary total hip arthroplasty: the EDIPO randomised controlled study. VILLATTE G, ENGELS E, ERIVAN R, MULLIEZ A, CAUMON N, BOISGARD S, DESCAMPS S.  
**Int Orthop**. 2016 Feb 22.
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**Int Orthop**. 2017 Jan;41(1):47-54. doi: 10.1007/s00264-016-3191-6. Epub 2016 Apr 25.
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**Int Orthop**. 2017 Jul;41(7):1337-1345. doi: 10.1007/s00264-016-3351-8. Epub 2016 Dec 3.
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**Orthop Traumatol Surg Res.** 2017 Jun 1. pii: S1877-0568(17)30158-5. doi:  
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