

CURRICULUM VITAE

JUAN ANTONIO ALONSO




MD, FRCS, MSc, FRCS (Tr&Orth)

**Specialist in
Orthopaedic and Trauma Surgery**

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PERSONAL DETAILS

<i>NAME</i>	Juan Antonio	
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CURRENT APPOINTMENT

Specialist in Trauma and Orthopaedic Surgery
Hospital General de Segovia, Spain

EDUCATION

After obtaining my Medical Degree in Spain, I moved to UK. I lived there for 16 years , where I completed my training in Trauma and Orthopaedic Surgery through the North West Training Scheme. I worked as Specialist in Trauma and Orthopaedic Surgery until I moved back to Spain in 2008.

I hold the following qualifications:

<i>UNIVERSITY</i>	<ul style="list-style-type: none"> • Medical School, University of Valladolid, Spain
<i>POST GRADUATE</i>	<ul style="list-style-type: none"> • Fellow Royal College of Surgeons, FRCS (Ireland) • Master of Science, Department of Molecular Biology and Mechanical Engineering, MSc (Eng), Leeds University UK • Intercollegiate Specialty Board Examination in Orthopaedic and Trauma Surgery, FRCS (Tr &Orth), UK • Certificate of Completion of Training, CCT (Trauma and Orthopaedic Surgery), UK • Degree of Specialist in Orthopaedic and Trauma Surgery, UK and Spain • Master in Medico-Legal Sciences, Instituto Europeo de Salud y Bienestar Social, Spain

AWARDS & PRIZES

- **1st Prize for the best clinical case 2013.** “Coxartrosis rápidamente destructiva” (*Rapidly progressive hip arthritis*)
Awarded by the Sociedad Española de Cirugía Ortopédica y Traumatología. Barcelona, Spain, 2013
- **Peter Mallinson Award to the best research paper 2002:** “TNF α production, an indicator for aseptic loosening of total hip arthroplasty”
Awarded by the North West Orthopaedic Trainees Association. Manchester, UK 2002
- **John Fitton Prize to best research project 1999:** “Scattered radiation in theatre” (*Radiación dispersa en quirófano*)
Awarded by the Yorkshire Regional Orthopaedic Training Association. Leeds, UK, 1999

PUBLICATIONS

JOURNAL ARTICLES

- **Minimally invasive clamp-assisted reduction and cephalomedullary nailing without cerclage cables for subtrochanteric femur fractures in the elderly: Surgical technique and results.** Mingo-Robinet J, Torres-Torres M, Moreno-Barrero M, Alonso JA, García-González S
Injury.2015 Jan 23j.injury.2015.01.019.
- **Comparative study of the second and third generation of Gamma nail for trochanteric fractures. Review of 218 cases**
Mingo-Robinet, Juan; Torres-Torres, Miguel; Martínez-Cervell, Carmen; Alonso del Olmo, Juan Antonio; Rivas Laso, Jose Angel; Aguado-Hernández, Hector; Burón-Alvarez, Isidro
Journal of Orthopaedic Trauma: Post Acceptance: June 30, 2014. doi: 10.1097/BOT.000000000000190. Published ahead of print
- **Enfermedad de Sinding-Larsen - Johansson: análisis de factores asociados.** S. López-Alameda, A. Alonso-Benavente, A. López-Ruiz de Salazar, P. Miragaya-López, J.A. Alonso-del Olmo, P. González-Herranz
Revista Española de Cirugía Ortopédica y Traumatología. 2012; 56 (5): 354-360
- **A frozen shoulder.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 20 No. 3 Sep 2012
- **Incorrect placement anterior cruciate ligament reconstruction graft.** J.A. Alonso
Casebook. Medical Protection Society Journal (en imprenta)
- **Wrong Level Spinal Surgery.** J.A. Alonso
Casebook. Medical Protection Society Journal (en imprenta)
- **La morfina no! Que deprime el centro respiratorio y engancha.** M. Lalanda, J.A. Alonso
AMF, Revista de la Sociedad Española de Medicina de Familia y Comunitaria, Volumen 7, nº 8, Septiembre 2011
- **Cemented implants. Playing with fire.** J.A. Alonso,
Proceedings of the 19th Annual Meeting of the European Orthopaedic Research Society (EORS). Septiembre 2011
- **Tomorrow is too late.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 19 No. 2 May 2011

- **Trapeciectomía simple: procedimiento de elección en la rizartrosis avanzada.** J.A. Alonso
Traumactual. Diciembre 2010
- **Unrealistic expectations.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 18 No. 2, 2010
- **An unexpected, painful end.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 18 No. 2 2009
- **Too long to run.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 16 No. 1 2008
- **An Orthopaedic Emergency.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 15 No. 2 2007
- **Incorrect placement anterior cruciate ligament reconstruction graft.** J.A. Alonso
Casebook. Medical Protection Society Journal (pending publication)
- **Wrong Level Spinal Surgery.** J.A. Alonso
Casebook. Medical Protection Society Journal (pending publication)
- **Daisy the Doctor, Dr Dose, Dr Grizzly, Dr Amelia Bedelia and Colleagues. Doctors in Children's Books**
M. Lalanda, J.A. Alonso. *British Medical Journal - Christmas Issue. BMJ December '06*
- **Smith-Petersen Mould Arthroplasty: An ultra-long term follow up.** D. Wright, J.A. Alonso, D.H. Sochart
Journal of Arthroplasty Vol 21, Issue 6 (916-917). Sep 2006
- **Improving the management of the child with an unexplained limp.** J.A. Alonso, M. Lalanda.
Clinical Governance: An International Journal Vol 11 No. 4 2006

- **Alleged delayed diagnosis of malignant melanoma.** J.A. Alonso
Casebook. Medical Protection Society Journal Vol 14 No. 2 2006
- **Intrauterine femoral fracture diagnosed at birth. Maternal abdominal trauma versus non-accidental injury.** J.A. Alonso, D. Wright, D. H. Sochart
Injury Extra (2005) 36, 432-33
- **Results of the c-stem total hip replacement system.** D Wright, J. A Alonso, E Lekka, D H Sochart
Journal of Bone and Joint Surgery - British Volume, Vol 88-B, Issue SUPP_II, 245.
- **Fracture of the CDH C-stem: A report of two cases.** D Wright, J. A Alonso, E Lekka, D H Sochart
Journal of Bone and Joint Surgery - British Volume, Vol 88-B, Issue SUPP_II, 245.
- **Upper limb abnormalities in mosaic trisomy 8.** F. Alvi, J A Alonso, A.F.M. Brewood
Archives of Orthopaedic and Trauma Surgery. Vol 124. No. 8, 2004
- **Reduced disability after intra-articular facet joint injection for low back pain.** J A Alonso, T. Board, M. Lynch, J. Doyle
The Journal of Bone and Joint Surgery (Br) 2004; 86-B: Sup III
- **Open antero-lateral dislocation of the elbow. A case report.** J A Alonso, B Roy, D L Shaw
BMC Musculoskeletal Disorders 2002 3: 1
- **Patient response to Polyethylene Wear Debris versus LPS. Independent stimuli for TNF α .** J A Alonso, J Fisher, E Ingham, B Mathews
The Journal of Bone and Joint Surgery (Br) 2001; 83-B: Sup 1
- **Scattered radiation during fixation of hip fractures. Is distance alone enough protection?** J A Alonso, A Maxwell, D L. Shaw
The Journal of Bone and Joint Surgery (Br) 2001; 83-B

- **TNF α Production in Patients Awaiting Total Hip Arthroplasty. Specific Mononuclear phagocytic Activity in Response to Polyethylene and LPS.** J A Alonso, B Mathews, J Fisher, E Ingham, D. Shaw
Transactions of the 47th Annual Meeting of the Orthopaedic Research Society
The Journal of Bone and Joint Surgery (Am) Sup
- **Impact of scattered radiation in theatre during fixation of extracapsular neck of femur fractures.** J. A Alonso, A Maxwell, D L. Shaw
Proceedings of the Chicago 2000 World Congress on Medical Physics and Biomedical Engineering
- **Variation in the Cellular Response to Polyethylene Particles *In Vitro* in Patients Undergoing Total Hip Replacement.** J A Alonso, B Mathews, J Fisher, E Ingham, D. Shaw
Proceedings of the European Society for Biomaterials. 17th European Conference, Sep 2001.

BOOKS

- **Trauma Classifications at Hand.** J.A. Alonso (author and illustrator)
ISBN 142512561-1. (Nov 2007)
- **Primary Care English.** Author Trauma Chapter
Editorial: Springer-Verlag Berlin and Heidelberg GmbH & Co. K . ISBN: 3540496173
(Nov 2007)
- **Making the most of your consultant job.** Colaborator
The Medical Protection Society Limited. ISBN 978 1 903673 03 4

CONFERENCE AND CONGRESS PRESENTATIONS

- **Resultados Clínico-Radiológicos del tratamiento de la Rizartrosis mediante prótesi tipo ARPE.** XXII congreso de la Sociedad Española de Cirugía de la Mano. Murcia, 6-8 Mayo 2015
- **Cement intravasation. An incidental finding in uncomplicated well cemented femoral stems.**
22nd Annual Meeting of the European Orthopaedic Research Society (EORS). Nantes, Francia, July 2014
- **Inglés Médico**
VII Congress of Medical Education
Salamanca, Spain, March 2014
- **Coxartrosis rápidamente progresiva (*Rapidly progressive hip arthritis*)**
50th Congress Sociedad Española de Cirugía Ortopédica y Traumatología (SECOT).
Barcelona, Spain, October 2013
Winner 1st Prize to the best Clinical Case
- **Cemented implants. Playing with fire**
19th Annual Meeting of the European Orthopaedic Research Society (EORS). Vienna, Austria, September 2011
- **How to do a presentation**
Royal College of Medicine and Surgery, Segovia, Spain, April 2011
- **Surgical relevance of delayed ossification of lateral cuneiform in clubfoot**
8th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT). Florence, Italy, May 2007
- **Ossification of lateral cuneiform in clubfoot treated with Ponseti method**
International Clubfoot Symposium. Manchester, Sep 2005
- **Patella resurfacing during total knee replacement**
North West Orthopaedic Association Spring Meeting. Ashton-under-Lyne, UK April 2005

- **3-year follow up results with the femoral C-stem**
British Hip Society. Manchester, UK, March 2005

- **Fracture of the CDH C-stem: A report of two cases**
British Hip Society. Manchester, UK, March 2005

- **The unexplained limping child. An evidence based management algorithm**
14th Annual Meeting of the European Orthopaedic Research Society. Amsterdam, Netherlands, November 2004

- **Reduced disability after intra-articular facet joint injection for low back pain**
6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT). Helsinki, Finland, June 2003

- **TNF_α production, an indicator for aseptic loosening of total hip arthroplasty**
 - *North West Orthopaedic Training Association. Bolton, November 2002.*
Winner Peter Mallinson Prize for the best Research Paper
 - *Combined Meeting NWOTA / Liverpool. Wrightington, April 2003*

- **Effectiveness of an active spinal rehabilitation programme -a four-year follow up study**
BritSpine 2002 (combined meeting British spinal associations). Birmingham, March 2002

- **Variation in the Cellular Response to Polyethylene Particles *In Vitro* in Patients Undergoing Total Hip Replacement**
European Society for Biomaterials. 17th European Conference, London, Sep 2001

- **TNF_α as a Potential Indicator for Aseptic Loosening of Total Hip Arthroplasty**
British Hip Society. Annual Meeting, Cambridge, March 2001

- **TNF_α Production in Patients Awaiting Total Hip Arthroplasty. Specific Mononuclear Phagocytic Activity in Response to Polyethylene and LPS**
Orthopaedic Research Society. 47th Annual meeting, San Francisco, California, February 2001

- **Update in the Biological Response to Ultrahigh Molecular Weight Polyethylene Wear Debris**
Medical and Biological Engineering Meeting. University of Leeds, Leeds, January 2001
- **Anticipating Aseptic Implant Loosening Due to Periprosthetic Osteolysis**
The Bioengineering Group for the Study of Human Joints, 26th Annual Day Conference, Leeds, January 2001
- **Patient Response to Polyethylene Wear Debris Versus LPS. Independent Stimuli for TNF α**
British Orthopaedic Research Society. Autumn Meeting, London, October 2000
- **Biological Response to Ultrahigh Molecular Weight Polyethylene Wear Debris**
Medical and Biological Engineering Meeting. University of Leeds, Leeds, July 2000
- **Radiation during fixation of hip fractures. Is distance alone enough protection? ***
Chicago 2000 World Congress on Medical Physics and Bio-Engineering, Chicago, Illinois, USA, July 2000

*As the result of the interest raised by this study, I have been involved in establishing the first guidelines for radiation protection in the operating theatre in the main teaching hospitals in Montevideo, Uruguay

- **Scattered radiation in theatre.**
Winner John Fitton Prize, Yorkshire, Leeds, UK, December 1999. Awarded by the Yorkshire Regional Training Scheme
- **Accessory bones of the foot**
Regional SpR's Teaching Session, Bradford Royal Infirmary, UK, June 1999
- **Management of acute head injuries**
Orthopaedic Meeting, Bradford Royal Infirmary, Bradford, UK, March 1999

- **Paediatric Trauma Life Support**

Joint Meeting A&E and Paediatric Surgery Departments, Leeds General Infirmary, Leeds, UK May 1998

- **Axillary lymph node dissection in breast carcinoma**

Surgical Meeting-Professorial Unit, Leeds General Infirmary, Leeds, UK, January 1998

ACADEMIC ACTIVITIES

- Member of the peer review panel of the journal *"Annals and Bulletin"*, Royal College of Surgeons of England
- International Faculty AO Trauma Europe
- Medical writer for *"Casebook"*, Journal of the Medical Protection Society, UK

MASTER THESIS

TITLE: Biological Threshold in Reaction to UHMWPE Wear Debris

SUPERVISOR: Professor John Fisher

UNIVERSITY: Leeds University, Mechanical Engineering and Molecular Biology Dept

SUMMARY: My research project for the MSc was based on the analysis of the biological response to UHMWPE wear debris, which leads to osteolysis and long term failure of total artificial joints.

As the genetic variability in the cytokine promoter genes results in a variable patient population, those patients who respond aggressively to UHMWPE wear debris should be considered for alternative bearing material prostheses.

AIMS: **1. To study the response of the mononuclear phagocytes to clinically relevant UHMWPE wear debris in vitro, within a patient population.**

This involves development and performance of techniques in:

- a. obtaining clinically relevant UHMWE particles
- b. isolation, identification and culture of human mononuclear macrophages
- c. co-culture of human mononuclear macrophages with UHMWE particles
- d. analysis of TNF_{α} production by Enzyme-linked Immunosorbent Assay (ELISA)

2. To identify those patients who will be most at risk of UHMWPE wear debris induced osteolysis and aseptic loosening.

To achieve this I am applying genetic techniques such as:

- a. isolation and amplification of human DNA by Polymerase Chain Reaction (PCR).
- b. use of restriction enzymes for the identification of individual genotypes.

PROFESSIONAL AFFILIATIONS

- General Medical Council, UK
- Specialist Register, UK
- Royal College of Surgeons, FRCS, Ireland
- British Orthopaedic Association
- AO Trauma, Europe Division (International Faculty)
- Sociedad Española de Cirugía Ortopédica y Traumatología, Spain

OTHER INTERESTS

My main interest, outside orthopadics, is **archery**, which I practice at competitive level, taking part in local, regional and national championships. I currently shoot target compound style at *Master* level.

I also practice **swimming** on regular basis, having been University Champion during my 1st, 2nd, and 3rd years in the Medical School. I have also swum for charity the length of the *English Channel indoor in two occasions*.

I have been a member of the **Spanish Climbing and High Mountain Federation** for 7 years. I have taken part and led expeditions both in Spain (Picos de Europa, Cordillera Cantábrica, Pirineos) and in France (Alps). I have also practised free rock climbing and ice climbing. During the winter session I also enjoy **skiing**.