

Professor Vladimir Bobić, MD, FRCSEd
Consultant Orthopaedic Knee Surgeon



**Chester Knee Clinic
& Cartilage Repair Centre**

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Vladimir Bobić is a Consultant Orthopaedic Knee Surgeon in full-time clinical and surgical practice. He is the Director and founder of Chester Knee Clinic and Cartilage Repair Centre. The clinic, founded in 1996, is based at the Grosvenor Hospital in Chester, where it is recognised as an ISAKOS-approved teaching centre.

Professor Bobić has over twenty three years of extensive experience in all aspects of knee surgery, including arthroscopic surgery, ligament reconstruction, knee arthroplasty, and particularly in articular cartilage repair. He is the founder of the Liverpool Knee Service and a former full-time NHS knee surgeon at The Royal Liverpool and Broadgreen University Hospitals, Broadgreen Hospital, Liverpool (1996 to 2002).

Prof Bobić is an internationally recognised expert and one of the UK's clinical pioneers in knee articular cartilage repair. He is the inventor and instrument designer of Arthrex OATS (Osteochondral Autograft Transfer System) articular cartilage repair technology. He performed the first ACI (Autologous Chondrocyte Implantation) in the North West of England in 1998, and continues to perform a wide range of cartilage repair procedures in Chester, including ACI surgery, on a regular basis. He was granted Liverpool LREC approval for a *Randomised comparative evaluation of Genzyme Carticel ACI vs. Microfracture in the treatment of articular cartilage defects of the knee* in October 1999, and South Cheshire LREC for multicentre clinical study of *The effectiveness of ACI compared with MACI for the treatment of damaged articular cartilage of the knee* (MREC approved Stanmore multicentre clinical trial) in May 2003. He was also a member of the MRC funded and MREC approved ACTIVE trial (multicentre trial of autologous chondrocyte implantation) based at The Robert Jones and Agnes Hunt Orthopaedic Hospital in Oswestry. He is the principal investigator in an ongoing BioPoly clinical trial (*Multi-centre, open label, prospective, consecutive series registry database of BioPoly RS Partial Resurfacing Knee Implant*), approved by the NHS NRES Committee East of England – Cambridge Central on 14 September 2011, based at the Grosvenor Hospital Chester and three other hospitals in England.

He continues to focus on articular cartilage repair, which is his main clinical, imaging and research interest. His clinical and surgical practice includes all contemporary articular cartilage repair technologies like *subchondral drilling* (or microfracture), *OATS* (autologous osteochondral grafting, which is often combined with implantation of autologous bone marrow aspirate), *AMIC* (deep subchondral drilling combined with collagen *ChondroGide* membrane), *ACI* or *CCI* (autologous chondrocyte implantation or characterized chondrocyte implantation) and autologous stem cell based therapies.

Prof Bobić has six year long experience with using autologous bone marrow aspirate in combination with deep subchondral drilling and autologous osteochondral grafting (OATS) for the treatment of mild to moderate distal femoral osteoarthritis. He organised the first regional seminar on the use of Autologous Stem Cell Therapies in Orthopaedics which was held in Chester in June 2013.

In 2014 he introduced proprietary in-house-processed autologous stem cell technology (derived from autologous fat tissue), for the treatment of sports injuries and other knee conditions like patella and quadriceps tendinosis, ligament sprains and partial tears, meniscal and articular cartilage repair and articular cartilage damage and defects

Prof Bobić also specializes in medico-legal aspects of knee injuries.

Prof Bobić is a dedicated teacher and sought-after orthopaedic lecturer throughout the world: since 1996 he has given over 300 lectures on knee surgery at major international and national conferences. He has published numerous articles on knee articular cartilage injury, repair and imaging. He is involved in international collaborative clinical and basic science research related to knee articular cartilage imaging, repair, rehabilitation and functional outcomes.

He has over twenty years of experience in clinical and arthroscopic imaging, including digital image and video editing, and over sixteen years of experience in clinical and MR digital imaging of articular cartilage. Mr Bobić introduced web-based MRI teleradiology at the Grosvenor Nuffield Hospital in Chester in 2004, in collaboration with the late Gene Hughes, Dr David Ritchie, Kodak and Alliance Medical. He is a founder and former chairman of the ICRS Articular Cartilage Imaging and Rehabilitation Committees.

Prof Bobić was a Visiting Associate Professor at the Musculoskeletal Imaging Section, Stanford University School of Medicine, Radiology Department, Stanford, California, USA, in 1998. He is also a Visiting Professor of Orthopaedic Sciences and Medical Practice at University of Chester, UK, since July 2012 (being invited as a visiting scholar is often regarded as a significant accolade and recognition of the scholar's prominence in the field).

Prof Bobić is the UK's first *AOSSM-ESSKA Travelling Fellow* (1991), which is one of the most coveted international fellowships in sports orthopaedics. He is one of the founding members of the *ICRS (International Cartilage Repair Society, www.cartilage.org, a former member of the ICRS General Board and a founder of the ICRS Imaging Committee and Rehabilitation Work Group)*. He is also a member of: *BMA (British Medical Association, www.bma.org.uk)*, *BOA (British Orthopaedic Association, www.boa.ac.uk)*, *BASK (British Association for Surgery of the Knee, www.baskonline.com)*, *BOSTA (British Orthopaedic Sports Trauma Association, www.bosta.ac.uk)*, *ACL Study Group (www.aclstudygroup.com)*, *Regenerative Medicine Society, ISAKOS (International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, www.isakos.com)*; a former member of the *Communications Committee and ISAKOS Newsletter Editorial Board Member*, *AOSSM (The American Orthopaedic Society for Sports Medicine, www.aossm.org)*; Honorary member since 1991), *AANA (Arthroscopy Association of North America, www.aana.org)*; Honorary member since 2004), *GMC (The General Medical Council, membership number 3636149, www.gmc.org.uk)* and *MDU (The Medical Defence Union, www.the-mdu.com)*.

Prof Bobić is a former member of the Editorial Board of *Arthroscopy, The Journal of Arthroscopic and Related Surgery*, a member of the Editorial Board of *WebMD Medscape Orthopaedics*, a reviewer at *The American Journal of Sports Medicine*, a reviewer for *The Knee* journal, a reviewer for the *Osteoarthritis and Cartilage* journal, a reviewer for the *Cartilage* journal, a reviewer for *The British Journal of Bone and Joint Surgery*, a member of the Editorial Board of *e-biomed: a Journal of Regenerative Medicine*, a peer reviewer of BUPA's health information, a consultant for the *Datamonitor Plc* and a member of the *Datamonitor Global Experts Panel*, a former member of *DePuy UK Arthroscopy Advisory Board, DePuy USA Biologics Restore Meniscus and Articular Cartilage Advisory Boards*, a former clinical advisor for *TiGenix Osteochondral Research Group*, a consultant for *Schwartz Biomedical LLC (BioPoly RS)*, a former member of *Ferring Euflexxa Clinical Advisory Board*, a member of the *Remedi Clinical Advisory Group (UK Regenerative Medicine Multidisciplinary Consortium)*, a consultant for *Gerson Lehrman Group's Council of Healthcare Advisors*, a consultant for the *Circle of Experts, Nitron Advisors, LLC*, and a consultant for *MEDACorp Biomedical Consulting Services*.