

Bogusław Sadlik M.D., Ph.D.

Curriculum Vitae

Date of birth: May 6th, 1968

Place of birth: Bielsko- Biała

Education

2009 Ph.D. in medicine, Graduation thesis: „ The meaning of quality and graft preparing manner with hamstring tendons in anterior knee instability treatment with four tunnel technique”, Medical University of Silesia, Katowice, Poland

2005 Specialization in Orthopaedics and Traumatology

1989-1995 **medicine**, Medical University of Silesia, Katowice, Poland

1988-1989 **physics**, Jaggielonian Univerisity, Krakow, Poland



Professional experience

2019- Orthopedist at Dana Medical Center, Bielsko- Biała, Poland

2015-2018 Head of the Biological Joint Reconstruction Department at the St. Luke's Hospital, Bielsko- Biała, Poland

2005- Orthopaedic surgeon at the St. Luke's Hospital, Bielsko- Biała, Poland

2000-2005 Resident in the Department of Orthopaedics and Traumatology at the St. Luke's Clinic, Bielsko-Biała, Poland

1996-2005 Resident in the Department of Orthopaedics and Traumatology at the Silesian Hospital of Reumatology in Ustroń, Poland

Professional Memberships

Polish Foot and Ankle Society (**The President 2016-2019**)

Polish Society of Orthopaedics and Traumatology (Member of the Knee Surgery Committee's Board, 2014-2018)

Polish Society of Arthroscopy

International Cartilage Repair Society

International Society of Arthroscopy Knee Surgery and Orthopaedic Sport Medicine

European Society of Sport Traumatology, Knee Surgery and Arthroscopy

Educational activity

Organization and chairman of the following courses and conferences:

Knee & Ankle Current Concept Cracow, 2016

VIII Bielsko Biala Orthopaedic Symposium, 2013

„*Regenerative medicine in the joint surgery*”

VII Bielsko Biala Orthopaedic Symposium, 2012

„*Anatomy and biology in Anterior Cruciate Ligament reconstructions*”

V Bielsko- Biala Orthopaedic Symposium, 2010

„*Cartilage and bone lesions of the talocrural joint- current treatment methods*”

IV Bielsko- Biala Orthopaedic Symposium, 2009

„*Current concept in surgery of the Posterior Cruciate Ligament*”

Authorship of surgical courses with cadaver lab

- Arthroscopy in the knee - basic - 2017, 2016 , 2015, 2014, 2013 Bielsko-Biala
- Arthroscopy in the ankle- advanced- 2015, Warsaw
- ACL reconstruction - advanced, 2015 Bielsko-Biala
- Chondral repair in the knee and the ankle - basic, 2015 Warsaw
- Miniinvasive techniques for osteochondral repair in the knee - advanced - 2015, 2014 Bielsko-Biala
- Complicated fractures of the ankle- advanced, 2013 Bielsko- Biala
- Foot surgery - basic, 2012 Bielsko- Biala

Authorship of physiotherapeutic courses

- Patellofemoral joint, 2015, Bielsko- Biala
- Arthroscopy in the knee, 2015, Bielsko- Biala
- Rehabilitation after surgical treatment of the ankle lesions, 2014, Bielsko, Biala
- Surgical ACL and meniscus treatment and rehabilitation, 2013, Bielsko- Biala,
- Orthopaedics Rehabilitation- current methods of therapy, 23.03.2013, Bielsko- Biala

Publications

- Sadlik, B., Matlak, A., Blasiak, A., Klon, W., Puzskar, M. & Whyte, G. (2018) Arthroscopic cartilage Lesion Preparation in the Human Cadaveric Knee Using a Curette Technique Demonstrates Clinically Relevant Histologic Variation. *Arthroscopy: The Journal of Arthroscopic and Related Surgery*.
- Sadlik, B., Kołodziej, L., Puzskar, M., Laprus, H., Mojżesz, M. & Whyte, G. (2018) Surgical Repair of Osteochondral Lesions of the Talus Using Biologic Inlay Osteochondral Reconstruction: Clinical Outcomes After Treatment Using a Medial Malleolar Osteotomy Approach Compared to an Arthroscopically- Assisted Approach. *Foot and Ankle Surgery*
- Sadlik., B. Kublin, K., Pałka, K., Kotajny, P. & Pasek, J. (2018) Model rehabilitacji pacjentów po naprawach uszkodzeń chrzęstno- kostnych stawu skokowego metodą suchej artroskopii. *Wiedza w praktyce*
- Blasiak A, Whyte G, Puzskar M, Matlak A, Brzóska R. & Sadlik, B. 2017. Morphologic Properties of Cartilage Lesion in the Knee Arthroscopically Prepared by the Standard Curette Technique Are Inferior to Lesions Prepared by Specialized Chondrectomy Instruments. *The American Journal of Sports Medicine*
- Sadlik, B., Jarosławski, G., Puzskar, M., Błasiak, A., Ołdak, T., Gładysz, D. & Whyte, G. 2017. Cartilage Repair in the Knee Using Umbilical Cord Wharton's Jelly- Derived Mesenchymal Stem Cells Embedded Onto Collagen Scaffolding and Implanted Under Dry Arthroscopy. *Arthroscopy Techniques*.
- Sadlik, B., Puzskar, M. & Błasiak, A. 2017. Biological Reconstruction in Patients with Osteochondral Defects: Postoperative Management and MRI Monitoring. *Bio-orthopaedics. A new approach* (587-598).
- Sadlik, B. & Puzskar, M. 2017. Joint Congruence Restoration in Osteochondral Defects: The Use of Mesenchymal Stem Cells with the "Sandwich" Technique. *Bio-orthopaedics. A new approach* (571-585).

- Sadlik, B., Gobbi, A., Puzkarz, M., Klon, W., & Whyte, G. P. 2017. Biologic Inlay Osteochondral Reconstruction: Arthroscopic One-Step Osteochondral Lesion Repair in the Knee Using Morselized Bone Grafting and Hyaluronic Acid-Based Scaffold Embedded With Bone Marrow Aspirate Concentrate. *Arthroscopy Techniques*.
- Sadlik, B., Puzkarz, M., Kosmalka, L., & Wiewiorski, M. 2017. All- Arthroscopic Autologous Matrix- Induced Chondrogenesis- Aided Repair of a Patellar Cartilage Defect Using Dry Arthroscopy and a Retraction System. *J Knee Surg*
- Sadlik, B., Jaroslowski, G., Gladysz, D., Puzkarz, M., Markowska, M., Pawelec, K., Pawelec, D., Boruckowski & Oldak, T. 2017. Knee Cartilage Regeneration with Umbilical Cord Mesenchymal Stem Cells Embedded in Collagen Scaffold Using Dry Arthroscopy Technique. *Clinical Research and Practice*.
- Kolodziej, L., Sadlik, B., Sokołowski S., & Bohatyrewicz A. 2017. Results of Arthroscopic Ankle Arthrodesis with Fixation Using Two Parallel Headless Compression Screws in a Heterogenic Group of Patients. *The Open Orthopaedics Journal*.
- Wiewiorski, M., Valderrabano, V., & Sadlik, B. 2017. Offene und arthroskopische AMIC- Technik. *LEADING OPINIONS Orthopädie & Rheumatologie*
- Whyte, G. P., Gobbi, A., and Sadlik, B. 2016. Dry Arthroscopic Single-Stage Cartilage Repair of the Knee Using a Hyaluronic Acid-Based Scaffold With Activated Bone Marrow-Derived Mesenchymal Stem Cells. *Arthroscopy Techniques*
- Sadlik, B., Kolodziej, L., Blasiak, A., Szymczak, M. and Warchal, B. 2016. Biological reconstruction of large osteochondral lesions of the talar dome with a modified “sandwich” technique—Midterm results. *Foot and Ankle Surgery*.
- Sadlik, B. and Wiewiorski, M. 2015. Implantation of a collagen matrix for an AMIC repair during dry arthroscopy. *Knee Surgery, Sports Traumatology, Arthroscopy*.

- Puzkarz M., Sadlik B. and Solecki, A. 2015. Chondrectomy-Review of Surgical Instrumentation and its Effectiveness. *Ortopedia, traumatologia, rehabilitacja*.
- Sadlik B. and Wiewiorski, M. 2014. Dry arthroscopy with a retraction system for matrix- aided cartilage repair of patellar lesions. *Arthroscopy techniques*.
- Sadlik, B., Blasiak, A., Barg, A., Valderrabano, V. and Wiewiorski, M. 2014. Dry Arthroscopy With a Retraction System for Matrix-Aided Cartilage Repair of Osteochondral Lesions of the Talus. *Foot & ankle international*.
- Kołodziej, Ł., Dobiecki, K. and Sadlik, B. 2013. Surgical treatment of advanced, stiff neurologic cavovarus foot in adults. *Ortopedia, traumatologia, rehabilitacja*.
- Sadlik B., and Błasiak A. 2013. Biological reconstruction of osteochondral defects in the talar dome: early results. *J Orthop Trauma Surg Rel Res*.
- Błasiak, A., Sadlik, B. and Brzóska, R. 2012. Injuries of the distal tibio-fibular syndesmosis. *Polish orthopedics and traumatology*.
- Solecki A., and Sadlik B. 2006. Zasady dwuęczkowej rekonstrukcji WKP ścięgnem ST metodą czterotunelową. *Artrioskopia i Chirurgia Stawów*.
- Solecki A., Sadlik B., & Brzóska R. 2006. Zastosowanie techniki mozaikowej (OATS) w leczeniu osteochondritis dissecans - opis przypadku. *Acta Clinika*
- Solecki A., & Sadlik B. 2004. Metoda rekonstrukcji więzadła krzyżowego przedniego dwoma niezależnie mocowanymi przeszczepami autogennymi ścięgna półścięgniastego - technika czterotunelowa. *Chirurgia kolana, Artrioskopia i Traumatologia Sportowa*

Orthopaedic innovations

1. **Biological resurfacing** in the knee unicompartamental OA with a novel method with umbilical cord mesenchymal stem cells embedded in a scaffold using dry arthroscopy technique.
2. New concept for arthroscopical debridement considering Steadman's rules using a **chondrectomes** - special devices for cartilage debridement. (patent pending)
3. **Dry arthroscopy** technique for implantation of the osteochondral scaffolds in the knee and ankle joint using retraction system and special designed devices for biomaterials insertion.

4. **Arthroholder** - a platform for holding lower limbs in MRI and CT - allows examine both limbs (healthy and damaged) while loading and external forces applied. (patent pending).