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Since 09/2007 Member of the research group „Regenerative Surgery“ (Prof. Dr. M. Jagodzinski)

07/2011-06/2012 Residency rotational year at the Orthopaedic Department, Hannover Medical School (MHH) (Prof. Dr. H. Windhagen, Hannover, Germany)

08/2014-07/2015 Clinical and Research Fellowship Steadman Clinic & Steadman Philippon Research Institute Vail, CO, USA (Peter J. Millett, MD, MSc) founded by AGA-Arthrex
Knee joint
Shoulder joint
Regenerative Joint Surgery
Sports Medicine
Biomechanics
Research Activities

- several awards and honors, such as 2nd and 3rd Research Award of the AGA Society for Arthroscopy and Joint Surgery in 2013.
- serving as an editorial member of several reputed journals like Journal of Radiology and Diagnostic Imaging, Journal of Osteoporosis and Physical Activity, Journal of Exercise, Sports and Orthopedics, and Journal of Orthopedics and Rheumatology
- expert Reviewer for journals like Tissue Engineering, Open Access Journal of Sports Medicine, Connective Tissue Research, and International Immunology.
- published more than 45 articles in peer-reviewed journals and is a co-author of two books.
- member of the German Trauma Society (DGU) and of the Society for Arthroscopy and Joint Surgery (AGA).
Knee Joint

- One of the most frequently injured joints in the body.
- Largest joint in the body and a synovial hinge joint.
- It mainly flexes and extends, but it does have a rotational component as well.
- Patellofemoral joint - articulation between the patella and the femur.
  - Patella’s main job is to increase the mechanical advantage of the quad muscle and protect the knee joint.
With a longer moment arm, there is more angular force. With a shorter moment arm, the force would be more directed to the joint than the tendon.
Q-angle- angle between the quadriceps muscle and patellar tendon. It ranges from 13-18 degrees in normal individual in knee extension. It is greater in females. Due to our wider pelvis.

Lets graph our q-angles.
Journal of Trauma and Treatment

Related Journals

- Journal of Neurology & Neurophysiology
- Brain Disorders & Therapy
Related Conferences

- 4th International conference & Exhibition on Neurology and Therapeutics, July 27-29, 2015 Naples, Italy