

Profile: Sten Rasmussen's (SR) main research theme is knee osteoarthritis, pain, sports injuries, and arthroscopic surgery. The main scientific approach is the randomized controlled trial. There are more than 10 clinical randomized double-blind controlled investor-initiated trials with SR as the PI or the senior investigator. SR has great insight into a broad spectrum of relevant scientific approaches including proteomics, big data, and machine learning. Most publication is on knee disorders. The research in knee joint osteoarthritis, inflammation, and pain has led to more than 30 publications within the last 5-10 years, 1 in NEJM (NEJM 2015 Oct 22; 373: 1597-606). SR has played the main role during the last two decades in the evolution of day-case surgery within the arthroscopic management of joint diseases and the implementation of accelerated stay programs in general orthopedic surgery. SR has supervised 10 Ph.D. students to completion, 2 of these were appointed Professor in 2019. He is currently the main supervisor for 2 Ph.D. students and co-supervisor in 5 Ph.D. studies. The main topics are the treatment of osteoarthritis and musculoskeletal pain.

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