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Postoperative knee ligament reconstruction: What should be evaluated?

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Anterior cruciate ligament (ACL) lesion is the most frequently observed lesion among athletes. Cruciate ligaments are the center of knee kinematics and responsible for the primary restraints to anterior and posterior stability of the knee. These ligaments also maintain articular bone surfaces in contact and are capable to resist multiple combined forces and movements. One third of the cases in patients with ACL lesions will present osteoarthritis in the future. Thus, it is extremely necessary to develop a more individualized treatment, considering some variables related to surgical intervention, such as ligament rupture grade, meniscal tears and lifestyle. The objective of this study is to demonstrate ligament anatomy, surgical principles and graft classification (structure constitution, fixation method and rehabilitation). It is also our aim to discuss imaging methods (radiographic studies, magnetic resonance, CT-arthrography and MR-arthrography) by illustrating clinical cases and post surgical complications. A correct interpretation of imaging aspects along with clinical evaluation are keys to a successful treatment.

Biography

Daniel Pastore has completed his PhD from University of Sao Paulo, SP, Brazil in 2009 and research fellow in Musculoskeletal Imaging, Department of Radiology from University of California, San Diego, USA in 2007. He is a member of the Radiology Society of North America (RSNA), Musculoskeletal Radiologist at University of Sao Paulo and Fleury Medicine and Health. He has published as author and co-author in reputed journals and has been serving as a reviewer for *Skeletal Radiology* and *American Journal of Roentgenology*.

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