



Discipline Information

The following dates are in (dd/mm/yyyy) format.

Code: RAL5894 - 1 Type: POS

Name: Advanced Topics and Scientific Evidence in the Treatment of Knee Diseases

Concentration area: Ciências da Saúde Aplicadas ao Aparelho Locomotor (17142)

Approval dates:

CCP: 24/01/2020 CPG: 27/01/2020 CoPGr:

Activation date: 04/02/2020 Inactivation date:

Workload:

Total: 60 h Theory: 8 h Practice: 3 h Study: 4 h

Credits: 4 Duration: 4 weeks

Professors: 762564 - Fabrício Fogagnolo - 04/02/2020 until today
2970855 - Rodrigo Salim - 04/02/2020 until today



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Objectives:

- 1). Discuss with the students the advances and innovations in the area of knee surgery.
- 2). Enable the students to analyze the methodological quality and interpret the results of scientific articles related to knee surgery.
- 3). Discuss ethical issues related to the application of advances and innovations for patients with knee dysfunction.

Rationale:

The evolution of technology grows exponentially in medicine and the number of publications of scientific articles doubles annually.

Therefore, it is important to discuss technological advances in knee surgery, from surgical implants to cell therapies, and to critically discuss their scientific evidence and clinical applications.

Content:

The course will be in person with lectures on:

1. Advanced review of the bone anatomy of the knee and its joint structures.
2. Complementary imaging exams for the main knee pathologies.
3. The evolution of surgical treatment of the knee.
4. How to analyze the methodological quality and interpret the results of scientific papers.
5. Ethics in the evaluation and intervention. These contents will be discussed during the presentation of scientific articles by means of seminars with the following themes: 1. Ligament reconstruction of the knee; 2. Knee arthroplasty; 3. Injuries to the extensor apparatus; 4. Meniscal injuries; 5. Knee dislocation; 6. Osteochondral injuries; 7. Osteotomies around the knee.

Bibliography:

- 1-Insall & Scott Surgery of The Knee 6th Ed., 2017 Eb.
- 2- HEBERT, Sízínio; XAVIER, Renato; PARDINI JÚNIOR, Arlindo G .; BARROS FILHO, Tarcísio EP de. Orthopedics and traumatology: principles and practice. 5th to Ed., 2016.
3. ELVIRE SERVIEN, GUILLAUME DEMEY, PHILIPPE NEYRET, SÉBASTIEN LUSTIG, Knee Surgery Treaty 1 to Ed. 2016
4. Miller, Mark D., Browne, James A., Cole, Brian J., Cosgarea, Andrew J., Owens, Brett D. Knee Surgery: Techniques Series Operative 2 Ed, 2019
5. Current scientific articles on the contents listed above for discussion.

Type of Assessment:

1. Practical assessment during presentation of the seminar

Note:

Gerado em 22/03/2021 08:06:05