

CIR 878 - CHALLENGING THE EVIDENCES OF SCIENCE IN SURGERY

Horas: 30h

Créditos: 02

Professor:

Maria Isabel Toulson Davisson Correia

Contenido: The focus of the current discipline relies on the importance of acknowledging quality in Science. There are more than one million papers published every year in Pubmed, which represent an overload of information, not necessarily of good quality and, reproducible. Most graduate curricula cover very little topics/disciplines on the scientific method and the adequate techniques to carry out proper Science. Therefore, it is not surprising that both post-graduate students and healthcare professionals face the dilemma of choosing which manuscripts they should rely on, to either support their research or clinical practice. Furthermore, the deluge of meta-analysis and systematic reviews falsely give an idea that if “when in doubt” rely on this type of article to have a better decision making, not considering that the latter may also be of low quality and may represent wrong Science. Thus, this discipline will focus on the aspects as mentioned earlier.

To discuss how to critically assess the literature in regards to the scientific method and what the evidence in healthcare is.

Referencias Bibliográficas:

- An Introduction To Logic And Scientific Method Kindle Edition by Morris F. Cohen
- The elements of style”, de E.B. White, 1959
- Knowledge translation in healthcare: moving from evidence to practice by Sharon Straus and Jacqueline Tetroe
- When science goes wrong: twelve tails from the dark side of discovery by Simon LeVay