



Discipline Information

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

Code: RAL5893 - 1 Type: POS
Name: Evidence-Based Medicine (MBE) in Clinical Decision Making
Concentration area: Ciências da Saúde Aplicadas ao Aparelho Locomotor (17142)

Approval dates:

CCP: 21/05/2019 CPG: 02/07/2019 CoPGr:

Activation date: 02/07/2019 Inactivation date:

Workload:

Total: 45 h Theory: 4 h Practice: 5 h Study: 6 h

Credits: 3 Duration: 3 weeks

Professors: 6362408 - Altacilio Aparecido Nunes - 02/07/2019 until today



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Objectives:

Introduce EBM concepts in clinical and epidemiological research, as well as instruct in the health field to use MBE tools in daily clinical practice, in clinical decision-making and in health management.

Rationale:

Evidence-Based Medicine is an important instrument for clinical, epidemiological and managerial information, based on elements of quality scientific research, professional experience and patient preferences, so the knowledge and appreciation of its components is important for the training of researchers, teachers and professionals with clinical and health management activities.

Content:

Concepts in MBE; 2. Use and applicability of MBE; 3. Clinical epidemiology, type and classification of clinical and epidemiological studies; 4. Causal criteria; 5. Criteria for assessing the methodological quality of published scientific studies; 6. Classification of levels of scientific evidence and strength of clinical recommendation; 7. Systematic review with and without meta-analysis; 8. Personalized or precision medicine; 9. Real-world evidence and data.

Bibliography:

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3. Eustace S. Technology-induced bias in the theory of evidence-based medicine. *J Eval Clin Pract*. 2018 Oct;24(5):945-949. doi: 10.1111/jep.12972.
4. Greenhalgh T, Howick J, Maskrey N; for the Evidence Based Medicine Renaissance Group. Evidence based medicine: a movement in crisis? *BMJ*2014;348:g3725
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7. Neumann I, Santesso N, Akl EA, Rind DM, Vandvik PO, Alonso-Coello P, Agoritsas T, Mustafa RA, Alexander PE, Schünemann H, Guyatt GH. A guide for health professionals to interpret and use recommendations in guidelines developed with the GRADE approach. *J Clin Epidemiol*. 2016 Apr;72:45-55. doi: 10.1016/j.jclinepi.2015.11.017.
8. Mercuri M, Baigrie B, Upshur REG. Going from evidence to recommendations: Can GRADE get us there? *J Eval Clin Pract*. 2018 Oct;24(5):1232-1239. doi: 10.1111/jep.12857.
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12. Zuidgeest MGP, Goetz I, Groenwold RHH, Irving E, van Thiel GJM, Grobbee DE; GetReal Work Package 3. Series: Pragmatic trials and real world evidence: Paper 1. Introduction. *J Clin Epidemiol*. 2017 Aug;88:7-13. doi: 10.1016/j.jclinepi.2016.12.023.

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