



UNIVERSIDADE PRESBITERIANA MACKENZIE

Pró-Reitoria de Pesquisa e Pós-Graduação
Coordenadoria Geral de Pós-Graduação Stricto Sensu



PLANO DE ENSINO

Unidade Universitária: Centro de Ciências Biológicas e da Saúde																										
Programa de Pós-Graduação: Distúrbios do Desenvolvimento																										
Curso: <input checked="" type="checkbox"/> Mestrado Acadêmico <input type="checkbox"/> Mestrado Profissional <input checked="" type="checkbox"/> Doutorado																										
Disciplina: Endocrine regulation of behavior and cognition																										
Professor (es): Miriam Oliveira Ribeiro																										
Observação: O Professor Antonio Bianco da Universidade de Chicago irá ministrar a disciplina em conjunto com a Professora Miriam Oliveira Ribeiro. Professor Antonio Bianco from University of Chicago will give lectures with Professor Miriam Oliveira Ribeiro																										
Carga horária: 48 h/a	Créditos 04	<input type="checkbox"/> Obrigatória <input checked="" type="checkbox"/> Optativa <input type="checkbox"/> Eletiva																								
Ementa: O curso abordará os anormalidades endócrinas e seus efeitos no desenvolvimento e no comportamento dos indivíduos acometidos por elas. The course will address endocrine abnormalities and their effects on the development and behavior of individuals affected by them.																										
Conteúdo Programático: <table><tr><td>Aula 1</td><td>Endocrine system: a review</td></tr><tr><td>Aula 2</td><td>Central Nervous System regulating behavior</td></tr><tr><td>Aula 3</td><td>Learning and memory</td></tr><tr><td>Aula 4</td><td>Regulation of Feeding Behavior</td></tr><tr><td>Aula 5</td><td>Gonadal hormones and behavior</td></tr><tr><td>Aula 6</td><td>Regulation of maternal and affective behavior</td></tr><tr><td>Aula 7</td><td>Empathy</td></tr><tr><td>Aula 8</td><td>Neonatal thyroid disorders</td></tr><tr><td>Aula 9</td><td>Adult Thyroid disorders</td></tr><tr><td>Aula 10</td><td>Endocrine disruptors</td></tr><tr><td>Aula 11</td><td>Research data</td></tr><tr><td>Aula 12</td><td>Test</td></tr></table>			Aula 1	Endocrine system: a review	Aula 2	Central Nervous System regulating behavior	Aula 3	Learning and memory	Aula 4	Regulation of Feeding Behavior	Aula 5	Gonadal hormones and behavior	Aula 6	Regulation of maternal and affective behavior	Aula 7	Empathy	Aula 8	Neonatal thyroid disorders	Aula 9	Adult Thyroid disorders	Aula 10	Endocrine disruptors	Aula 11	Research data	Aula 12	Test
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Critério de Avaliação Segundo Regulamento Geral da Pós-Graduação Stricto Sensu, Art. 98, "Será considerado aprovado o aluno que obtiver, em cada disciplina obrigatória, optativa e nas atividades programadas o conceito final "A", "B" ou "C", conforme relação de conceitos a seguir: I - A – excelente: corresponde às notas no intervalo entre os graus 9 e 10; II - B – bom: corresponde às notas no intervalo entre os graus 8 e 8,9; III - C – regular: corresponde às notas no intervalo entre os graus 7 e 7,9; IV - R – reprovado: corresponde às notas no intervalo entre os graus 0 e 6,9."																										



Bibliografia Básica: Williams - Tratado de Endocrinologia, Ed. Elsevier, 11ª edição, 2010.

Bibliografia Complementar:

1. Epigenetic Mechanisms of Learning and Memory: Implications for Aging. Creighton SD, Stefanelli G, Reda A, Zovkic IB. *Int J Mol Sci.* 2020 Sep 21;21(18):6918. doi: 10.3390/ijms21186918.
2. Perinatal Exposure to Phthalates: From Endocrine to Neurodevelopment Effects. Lucaccioni L, Trevisani V, Passini E, Righi B, Plessi C, Predieri B, Iughetti L. *Int J Mol Sci.* 2021 Apr 14;22(8):4063. doi: 10.3390/ijms22084063.
3. The Endocrine Disruption of Prenatal Phthalate Exposure in Mother and Offspring. Qian Y, Shao H, Ying X, Huang W, Hua Y. *Front Public Health.* 2020 Aug 28;8:366. doi: 10.3389/fpubh.2020.00366. eCollection 2020.
4. Prader Willi Syndrome: Genetics, Metabolomics, Hormonal Function, and New Approaches to Therapy. Irizarry KA, Miller M, Freemark M, Haqq AM. *Adv Pediatr.* 2016 Aug;63(1):47-77. doi: 10.1016/j.yapd.2016.04.005.
5. **Precocious Puberty.** Kota AS, Ejaz S. 2020 Jul 10. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. PMID: 31335033 **Free Books & Documents.** Review.
6. Hypogonadism in Patients with Prader Willi Syndrome: A Narrative Review. Napolitano L, Barone B, Morra S, Celentano G, La Rocca R, Capece M, Morgera V, Turco C, Caputo VF, Spina G, Romano L, De Luca L, Califano G, Collà Ruvolo C, Mangiapià F, Mirone V, Longo N, Creta M. *Int J Mol Sci.* 2021 Feb 17;22(4):1993. doi: 10.3390/ijms22041993.
7. **Oxytocin.** 2021 Mar 17. Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. PMID: 30000550 **Free Books & Documents.** Review.
8. Short- and long-term neuro-behavioral alterations in **type 1 diabetes mellitus** pediatric population. Litmanovitch E, Geva R, Rachmiel M. *World J Diabetes.* 2015 Mar 15;6(2):259-70. doi: 10.4239/wjd.v6.i2.259.
9. Brain Glucose Metabolism in Health, **Obesity**, and Cognitive Decline-Does Insulin Have Anything to Do with It? A Narrative Review. Rebelos E, Rinne JO, Nuutila P, Ekblad LL. *J Clin Med.* 2021 Apr 6;10(7):1532. doi: 10.3390/jcm10071532.
10. Maternal **obesity** and developmental programming of neuropsychiatric disorders: An inflammatory hypothesis. Davis J, Mire E. *Brain Neurosci Adv.* 2021 Apr 8;5:23982128211003484. doi: 10.1177/23982128211003484. eCollection 2021 Jan-Dec.