

Información del Plan Docente

Academic Year	2017/18
Faculty / School	104 - Facultad de Medicina
Degree	461 - Master's in Genetic, nutritional and environmental growth and development conditions
ECTS	2.0
Year	1
Semester	Annual
Subject Type	Optional
Module	---

1.General information**1.1.Introduction****1.2.Recommendations to take this course****1.3.Context and importance of this course in the degree****1.4.Activities and key dates****2.Learning goals****2.1.Learning goals****2.2.Importance of learning goals****3.Aims of the course and competences****3.1.Aims of the course****3.2.Competences****4.Assessment (1st and 2nd call)****4.1.Assessment tasks (description of tasks, marking system and assessment criteria)****5.Methodology, learning tasks, syllabus and resources****5.1.Methodological overview**

This course takes into consideration the different backgrounds and training of students, so the learning and teaching methodology has been adjusted to favor the acquisition of competences and the achievement of the learning outcomes. Therefore, there is a forum on the virtual platform swad/Moodle as well as online individualized tutorials.

A wide range of teaching and learning tasks are implemented, such as available theoretical contents related to the

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nutritional aspects of newborn, preterm and term birth, healthy and sick; examples and case studies, individual and group work presentations, cooperative learning, assignment review, and participation in discussion forums.

5.2. Learning tasks

The course includes the following learning tasks:

- Theoretical content posted on the platform
- Bibliography
- Solving of clinical cases
- Online work, individually or in groups

5.3. Syllabus

The course will address the following topics:

- Topic 1. Nutritional assessment of newborn
- Topic 2. Update of breastfeeding in newborn term and preterm
- Topic 3. Updating the nutritional needs of the newborn healthy and sick
- Topic 4. Updating the type and characteristics of commercially prepared foods
- Topic 5. Update feeding techniques in the newborn
- Topic 6. Update Feeding newborn with specific pathology

5.4. Course planning and calendar

The course takes place in the months of November to December.

At the beginning of the course, the theoretical content and the clinical cases are posted on the platform.

Participation in the forum during the course (i.e. November to December).

Video-conferences will be announced in advance.

The final deadline for the submission of assignments is the last week of January.

5.5. Bibliography and recommended resources

1. An Pediatr (Barc). 2012 Mar;76(3):127-132
[Does early parenteral protein intake improve extrauterine growth in low birth weight preterms?]
Vázquez García L, Oulego Erroz I, Maneiro Freire M, Pérez Muñozuri A, Baña Souto A, Couce Pico ML, Fraga Bermúdez JM.
2. J Nutr. 2010 Feb;140(2):402-406.
Maternal supplementation differentially affects the mother and newborn.
Rasmussen KM, Habicht JP.
3. Clin Perinatol. 2010 Sep;37(3):565-579.
New concepts of microbial translocation in the neonatal intestine: mechanisms and prevention.
Sherman MP.
4. Int Breastfeed J. 2010 Mar 8;5:4.
Does opening a milk bank in a neonatal unit change infant feeding practices? A before and after study.
Utrera Torres MI, Medina López C, Vázquez Román S, Alonso Díaz C, Cruz-Rojo J, Fernández Cooke E, Pallás Alonso CR.
5. Ann Nutr Metab. 2011;58 Suppl 1:32-6. Epub 2011 Jun 21.
Nutrition of preterm infants after discharge.
Cooke R.

6. Nutrición enteral y parenteral en recién nacidos prematuros con muy bajo peso. Grupo de Nutrición de la

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SENneo. Ed: Ergón. 2013. Madrid

7. An Pediatr (Barc). 2015;83:376-386

Consenso experto sobre los aspectos nutricionales de las leches infantiles de inicio y continuación

J. Barrioa, J.J. Díaz-Martín, I. Manriquec, B. Martín Martínezd y E. Ortegae

8. An Pediatr (Barc). 2015 Oct 9. pii: S1695-4033(15)00357-4. doi: 10.1016/j.anpedi.2015.08.013. [Epub ahead of print]

Prácticas de alimentación con leche materna en recién nacidos menores de 1.500 g o de menos de 32 semanas

C. Alonso-Díaza, I. Utrera-Torresa, C. de Alba-Romeroa, B. Flores-Antóna, M. López-Maestroa, D. Lora-Pablosb y C.R. Pallás-Alonsoa.

9. An Pediatr (Barc). 2015;81(6):397. e1-e8

Grupo de Nutrición y Metabolismo Neonatal, Sociedad Española de Neonatología: recomendaciones y evidencias para la suplementación dietética con probióticos en recién nacidos de muy bajo peso al nacer

E. Narbona López, J. Uberos Fernández, M.I. Armadá Marescab, M.L. Couce Picoc, G. Rodríguez Martínezd y M. Saenz de Pipaone

10. An Pediatr (Barc). 2014;81(3):155-160

Impacto en la práctica clínica de la apertura de un banco de leche en una unidad neonatal

S. Vázquez-Román[1], G. Bustos-Lozano, M. López-Maestro, J. Rodríguez-López,

C. Orbea-Gallardo, M. Samaniego-Fernández y C.R. Pallás-Alonso

11. Acta Pediatr Esp. 2011; 69(7-8): 333-338

Consideraciones prácticas sobre la nutrición enteral en el recién nacido prematuro

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Practical considerations about enteral nutrition in the premature newborn

G. Rodríguez Martínez, J.A. Blanca García, A. de la Mano Hernández, M.C. Rivero de la Rosa, P. Cortés Mora, R.A. Lama More, y grupo GETNI.

12. Cochrane Database Syst Rev. 2015 Oct 15;10:CD001241. doi: 10.1002/14651858.CD001241.pub6.

Slow advancement of enteral feed volumes to prevent necrotising enterocolitis in very low birth weight infants.

Morgan J1, Young L, McGuire W.

13. Am J Surg. 2015 Dec;210(6):1045-9; discussion 1049-50. doi: 10.1016/j.amjsurg.2015.08.004. Epub 2015 Sep 14.

The effect of supplemental parenteral nutrition on outcomes of necrotizing enterocolitis in premature, low birth weight neonates.

Akinkuotu AC, Nuthakki S, Sheikh F, Cruz SM1, Welty SE, Olutoye OO.

14. BMC Pediatr. 2014 Sep 22;14:235. doi: 10.1186/1471-2431-14-235.

The role of nutrition in promoting growth in pre-term infants with bronchopulmonary dysplasia: a prospective non-randomised interventional cohort study.

Gianni ML1, Roggero P, Colnaghi MR, Piemontese P, Amato O, Orsi A, Morlacchi L, Mosca F.

15. J Matern Fetal Neonatal Med. 2012 Oct;25 Suppl 3:37-40.

Nutrition and bronchopulmonary dysplasia.

Dani C1, Poggi C.

Recursos

- <http://www.se-neonatal.es/>
- <http://www.aeped.es/>

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<http://www.ncbi.nlm.nih.gov/pubmed>

<http://www.biblioteca-cochrane.com/clibplus/>

No hay registros bibliográficos para esta asignatura