



Societat Catalana
de **BIOLOGIA**



X European Symposium
CLINICAL LABORATORY AND IN VITRO DIAGNOSTIC INDUSTRY

“THE CLINICAL LABORATORY IN THE PREGNANCY MONITORING”

Barcelona, 4 - 5 April 2019

Sala Prat de la Riba
Institut d'Estudis Catalans (Carrer del Carme, 47)



“Trois fleurs jeunes” © Mercè Rodoreda, VEGAP, Barcelona, 2018.

Organized by:
*Catalan Association for Clinical Laboratory Sciences
Catalan Biology Society*

with the IFCC auspices

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Pregnancy is a physiological and natural state in the reproductive life of women. However, there are several pathologies that can modify the normal course of pregnancy involving a higher risk for both pregnant women and the fetus. These pathologies need to be detected during pregnancy in order to guarantee the absence of complications or at least to minimize them.

The term *high-risk gestation* has been changing dynamically in accordance with new physiopathological knowledge. The contribution of the clinical laboratory, through the implementation of new biological markers as well as new molecular genetic techniques in the diagnosis, has improved significantly the monitoring and management of pregnant women. The clinical laboratory has also significantly contributed to the updating of analytical protocols in the gestation follow-up, in order to standardize the clinical practice in accordance to clinical guidelines and international recommendations.

The main objective of this symposium is to establish a forum to promote the interrelation between health care professionals and to share different experiences in the application of new pregnancy protocols and technologies in the clinical laboratory.

The symposium will be held in the form of an open discussion among experts in the management of the pregnant women and with the active participation of the audience. It is structured in four sessions in which the following topics will be discussed: the role of the laboratory in the diagnosis and prevention of preeclampsia, the first and second trimester screening for congenital abnormalities and the new incorporation of the cell-free fetal DNA analysis in maternal blood. We will also discuss the impact of new molecular genetic techniques and genetic counseling in prenatal diagnosis, and finally, we will debate infectious diseases of vertical transmission, with special emphasis on those newly described in the local and international protocols.

Confirmed guest experts

Rosa M^a López, Elisa Llurba, Josep Sabrià, Francesc Figueras, Carmina Comas, Maria Antolín, Mercè Armelles, Alba Alumà, Neus Baena, Ignacio Blanco, Alberto Plaja, Benjamín Rodríguez, Juliana Esperalba, Isabel Sanfeliu

Program

Wednesday, 4 April 2019

- 16.00 Welcome and Symposium presentation
ROSER FERRER COSTA
- 16.15 Inaugural conference
EDUARD GRATACÓS, headmaster of Institut Clínic de Ginecologia i Obstetrícia (ICGON) and BCNatal
- 17.15 Coffee-break
- 17.30 Debate: Preeclampsia: clinical laboratory role in the diagnosis and prevention
Chairman: **JOSEFINA MORA BRUGUÉS**
- 21.00 Dinner

Thursday, 5 April 2019

- 9.00 Debate: Prenatal Diagnosis of Congenital Aneuploidies: First and second trimester screening and cell-free fetal DNA analysis in maternal blood
Chairman: **ELENA CASALS FONT**
- 11.00 Coffee-break
- 11.30 Debate: Prenatal molecular diagnosis and genetic assessment
Chairman: **ARIADNA PADRÓ MIQUEL**
- 13.30 Lunch
- 15.00 Debate: Vertically transmitted infections
Chairman: **MARIA ROSA NAVARRO BADAL**
- 17.00 Conclusions and closure

Registrations at:

<http://www.iec.cat/jornades/laboratoriclinic2019.asp>