

ONCOFERTILITY CONGRESS

Freezing Ovarian Tissue and Oocytes (FOTO) Consortium Brussels

DAY 1: Friday 8th of October 2021

08:45 : Welcome and introduction

09:00 : Acquisition of oocyte competence: from the primordial to pre-ovulatory stage. D.F. Albertini (Bedford Research Foundation)

09:35 : Ovarian tissue cryopreservation (OTC) and transplantation (OTT)

How to increase angiogenesis and follicle survival after OTT? Luciana Cacciottola (UCL) • Re-freezing and re-thawing human ovarian tissue. Camille Hossay (UCL) • Detection of malignant cells in ovarian tissue before OTT. Thu Nguyen (UCL)

11:00 : Follicular activation

Interaction between the Hippo and PI3K pathways. Casper Janssen (ULB) • Follicular activation in fresh, frozen and grafted human tissue. Camille Hossay (UCL) • Impact of chemotherapy and age on human ovarian tissue. Melody Devos (ULB)

12:00 : IVM

Optimisation of human IVM with oocyte secreted factors. Berta Cava Cami (VUB) • A mouse capacitation-IVM system as a model to improve human IVM. Nazli Akin (VUB)

13:30 : Follicular loss: balance between apoptosis and activation. So-youn Kim (University of Nebraska Medical Center)

14:00 : In-vitro culture of oocytes

Mouse in-vitro follicle growth. Ana Maria Herta (VUB) • Epigenetic safety of oocyte culture. Laura Saucedo Cuevas (VUB)

14:40 : Pharmacoprotection

miRNA as an innovative approach to preserve fertility. Chrysanthi Alexandri (ULB) • How to target the ovary: the option of nanoparticles. An Nguyen (ULB) • Control of induced follicular activation using the mouse and bovine models. Nathalie Donfack (ULB)

DAY 2: Saturday 9th of October 2021

08:45 : Welcome and introduction

09:00 : Fertility preservation in cancer patients

How to organise a clinical network for fertility preservation? Daniela Nogueira (INOVIE Fertilité) • New approaches in ovarian stimulation: letrozole cotreatment and progestin suppression. Isabelle Demeestere (ULB) • Patient follow-up and predictors of infertility. Richard Anderson (MRC Centre for Reproductive Health)

10:50 : Fertility restoration

Ovarian tissue transplantation: when and how? Marie-Madeleine Dolmans (UCL) • Pregnancy after breast cancer. Matteo Lambertini (Ospedale Policlinico San Martino)

11:50 : Interactive session: Challenging cases from the clinic. Michel De Vos (VUB)

12:30 : Panel discussion & conclusions. (E. Anckaert, R. Anderson, M. De Vos, I. Demeestere, M.M. Dolmans, M. Lambertini, D. Nogueira)

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