

Advanced Clinical Embryology (ACE) Course
Academic Year 2025-2026



Teaching Module 3

“Semen Analysis, Sperm Preparation and Evaluation of Sperm Quality and Functionality”

Submodules	Lectures & Instructors	Date & Time
3.1	Standardized Semen Analysis: Lessons for Novice and Experts <i>Gerica LaVelle</i>	3/12/2025 5:00 p.m. – 6:00 p.m.
3.2	Sperm morphology assessment by strict criteria <i>Gerica LaVelle</i>	3/12/2025 6:00 p.m. – 7:00 p.m.
3.3	Semen Analysis: Ancillary tests <i>George Liperis</i>	3/12/2025 7:00 p.m. – 8:00 p.m.
3.4	Automated analysis of sperm diagnostics and selection for therapeutics: CASA and Beyond <i>Meurig Gallagher</i>	10/12/2025 5:00 p.m. – 6:00 p.m.
3.5	Optimal management of ejaculate and non-ejaculate originating spermatozoa for MAR purposes <i>Michael Carroll</i>	10/12/2025 6:00 p.m. – 7:00 p.m.
3.6	Sperm preparation techniques for diagnostic and MAR purposes <i>Filipa da Silva Barbosa</i>	10/12/2025 7:00 p.m. – 8:00 p.m.
3.7	Advanced semen tests <i>Dolores Lamb</i>	17/12/2025 5:00 p.m. – 6:00 p.m.
3.8	Contributions of the Male Gamete to the Embryo and Offspring <i>Dolores Lamb</i>	17/12/2025 6:00 p.m. – 7:00 p.m.
3.9	Oxidative and Reproductive Stress in Male Infertility: The Delicate Balance of Redox Homeostasis <i>Ralf Henkel</i>	17/12/2025 7:00 p.m. – 8:00 p.m.
3.10	Sperm RNAs, markers of past, present, future, and generational health <i>Stephen A. Krawetz</i>	17/12/2025 8:00 p.m. – 9:00 p.m.