

**Advanced Clinical Embryology (ACE) Course
Preliminary Schedule - Academic Year 2026-2027**



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 Gerica LaVelle	02/12/2026 5:00 p.m. – 6:00 p.m.
3.2	Sperm morphology assessment by strict criteria Gerica LaVelle	02/12/2026 6:00 p.m. – 7:00 p.m.
3.3	Automated analysis of sperm diagnostics and selection for therapeutics: CASA and Beyond Meurig Gallagher	02/12/2026 7:00 p.m. – 8:00 p.m.
3.4	Sperm preparation techniques for diagnostic and MAR purposes Filipa da Silva Barbosa	09/12/2026 5:00 p.m. – 6:00 p.m.
3.5	Optimal management of ejaculate and non-ejaculate originating spermatozoa for MAR purposes Michael Carroll	09/12/2026 6:00 p.m. – 7:00 p.m.
3.6	The challenge of handling different semen samples Liesl Nel-Themaat	09/12/2026 7:00 p.m. – 8:00 p.m.
3.7	Advanced semen tests Dolores Lamb	16/12/2026 5:00 p.m. – 6:00 p.m.
3.8	Contributions of the Male Gamete to the Embryo and Offspring Dolores Lamb	16/12/2026 6:00 p.m. – 7:00 p.m.
3.9	Sperm RNAs, markers of past, present, future, and generational health Stephen A. Krawetz	16/12/2026 7:00 p.m. – 8:00 p.m.
3.10	Oxidative and Reproductive Stress in Male Infertility: The Delicate Balance of Redox Homeostasis Ralf Henkel	23/12/2026 5:00 p.m. – 6:00 p.m.