

Canadian Center for Reproductive Medicine and Clinical Embryology

Course title	Andrology – Semenology
Duration	38.75 hours or 5 days
Fees	CAN \$ 4300

Course objectives:

Participant trained on this course will receive one-on-one training to develop knowledge and skills in:

Health and Safety laboratory practice in Andrology Basics microscopy techniques used for semen analysis Techniques I collection and delivery of semen sample Semen analysis standard of practice – routine practice Collection of lab result and interpretation Clinical Laboratory Statistics and application Practical tips in assessment of sperm count and motility Computer assisted semen analysis (CASA) Sperm morphology assessment(World Health Organization (WHO) and Kruger’s Strict Criteria) Biology of human sperm Vitality testing (Eosin-Nigrosin stain) Hypo-osmotic swelling test (HOS) Leukocyte detection (Peroxidase staining/ Endtz test) Special sperm stain (NF-PICS) for azoospermic samples Antisperm antibodies detection (SpermMAR test) Quality control, quality assurance and proficiency testing in andrology laboratory
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Educational teaching methods:

- Interactive discussion and teaching sessions
- Hands-on laboratory training sessions
- Live lectures and multimedia presentations

Evaluation of trainee:

Knowledge / Theoretical Component (30%): Multiple choice questions on lab techniques linked to each course module

Practical Skills (50%): Tested on specific lab techniques taught during the training

verbal Communication & Comprehension Skills / Integrative Component (20%): PowerPoint talk on a topic linked to a course module and viva voce

Candidates who meet the training requirements and successfully complete the course work will be awarded the Training Certificate

Each participant will receive:

Certificate of Training (issued upon successful assessment by the instructor) and Grading Report