



## International Hands-on laboratory management activities

Videlectures: From 18 december 2023  
Hands-on: January 2024 - December 2024

## Module 5 PGT

Venue: **CFA** Naples - **Genesis Day Surgery** Caserta

Duration: 4 days

Dates: 21-24 October 2024



## List of teachers for the theoretical and hands-on activities

1	ANASTASI A.	Azienda ospedaliera Careggi Firenze
2	BALDI M.	Genetica Forense Roma
3	CANDELA A.	Dip. Biologia, Univ. Federico II, Napoli
4	CANOSA S.	Centro Genera Livet Torino
5	DALE B	Centro Fecondazione Assistita, Napoli
6	FASANO C.	Centro Fecondazione Assistita, Napoli
7	FAVARO F.	Centro Arcster Mestre
8	GENOVESE V.	Dip. Biologia, Univ. Federico II, Napoli
9	GRANATO C.	IVF RED Salerno
10	GUALTIERI R	Dip. Biologia, Univ. Federico II, Napoli
11	MONDRONE G	Centro Genesis Sterilità della coppia; IVF RED, Caserta
12	POLESE, R.	Centro Fecondazione Assistita, Napoli
13	PISATURO V.	IVF Policlinico Umberto I Roma
14	SCARICA C.	New Fertility Group European Hospital Roma
15	TALEVI R.	Dip. Biologia Univ. Federico II, Napoli; IVF RED,Caserta
16	TRAVAGLIONE A.	Dip. Biologia Univ. Federico II, Napoli
17	TUFOLO M.	Centro Genesis Sterilità della coppia; IVF RED, Caserta

### Monday 21 October 2024

**CFA Centro per la Fecondazione Assistita**  
Via Torquato Tasso, 480, 80123 Napoli NA

Schedule	Activities	Lecture	Hands-on
9.30-10.00	Welcome, introduction of the course participants, description of their level of experience and skills in assisted reproduction techniques. Description of the module objectives. Introduction of the teachers.	5,6,8,9,10,11,12,15,16,17	
10.00-10.45	Errors in meiosis or postzygotic mitosis and incidence of aneuploidy in preimplantation human embryos	Scarica C.	
10.45-11.30	Principles and set-up of optical microscope for the embryology laboratory	Gualtieri	
11.30-12.00	Principles and set-up of laser for embryo trophectoderm biopsy	Cooper	
12.00-13.30	Practice with tools and materials needed for embryo biopsy		8,9,12,15,16
13.30-14.30	Lunch	CFA cafeteria	
14.30-16.00	Trophectoderm biopsy practice on animal model		8,9,12,15,16

### Tuesday 22 October 2024

**CFA Centro per la Fecondazione Assistita**  
Via Torquato Tasso, 480, 80123 Napoli NA

Schedule	Activities	Lecture	Hands-on
9.30-10.15	PGT A, PGT M, PGT SR: inclusion and exclusion criteria	Fasano C.	
10.15-11.00	Safety and set-up of the embryo biopsy laboratory	Polese R.	
11.00-11.45	Tips and Tricks of embryo biopsy	Anastasi A.	
11.45-13.30	Trophectoderm biopsy practice on animal model		8,9,12,15,16
13.30-14.30	Lunch	CFA cafeteria	
14.30-16.00	Trophectoderm biopsy practice on animal model		8,9,12,15,16

**Wednesday 23 October 2024**  
**CFA Centro per la Fecondazione Assistita**  
 Via Torquato Tasso, 480, 80123 Napoli NA

<b>Schedule</b>	<b>Activities</b>	<b>Lecture</b>	<b>Hands-on</b>
9.30-10.15	Molecular analysis techniques for PGT	Baldi M.	
10.15-11.00	Timing of the embryo biopsy	Polese R.	
11.00-11.45	Chromosomal mosaicism in human blastocysts: the ultimate diagnostic dilemma	Pisaturo V.	
11.45-13.30	Trophectoderm biopsy practice on animal model		8,9,12,15,16
13.30-14.30	Lunch	CFA cafeteria	
14.30-16.00	Trophectoderm biopsy practice on animal model		8,9,11,12,15,16

**Thursday 24 October 2024**  
**Genesis day surgery**  
 Via De Falco 24 - Caserta

<b>Schedule</b>	<b>Activities</b>	<b>Lecture</b>	<b>Hands-on</b>
9.30-10.15	Counseling pre-and post PGT	Canosa S.	
10.15-11.00	Rescue blastocysts: re-biopsy and re-vitification	Favero F.	
11.00-11.45	Non-invasive preimplantation genetic testing (niPGT): the future in reproductive genetics?	Talevi R.	
11.45-13.30	Trophectoderm biopsy practice on animal model		11,15,17
13.30-14.30	Lunch	Genesis cafeteria	
14.30-16.00	Learner assessment test and issuance of module completion certificate		5,11,12,15