

EBCOG-ESHRE European fellow in reproductive medicine and gynecological endocrinology

Logbook of clinical activities

1. Overview

- 1.1.** The extensive sub-specialist training program in reproductive medicine and gynecological endocrinology must provide the specialist in gynecology and obstetrics with the knowledge and technical skills necessary to independently manage patients with problems in the field of reproductive medicine and gynecological endocrinology.
- 1.2.** This sub-specialization requires knowledge and special skills in the following areas:
 - 1.2.1.** Diagnosis and treatment of the couple's infertility including assisted reproduction technologies and recurrent pregnancy loss;
 - 1.2.2.** Diagnosis and treatment of gynecological and endocrinological disorders, including teenage pregnancy;
 - 1.2.3.** Contraception;
 - 1.2.4.** Prevention, diagnosis and treatment of gynecological and endocrinological disorders and menopause;
 - 1.2.5.** Endocrine aspects of transsexualism

2. Duration and structure of the training

- 2.1.** Duration and structure of postgraduate training
 - 2.1.1.** The full time training in reproductive medicine and gynecological endocrinology lasts 3 years. This sub-specialist training can only be started after completion of three years of general postgraduate training in gynecology and obstetrics that is recognized and/or certified. It is recommended that sub-specialist training is undertaken only after obtaining the title of specialist in obstetrics and gynecology.
 - 2.1.2.** Research and publication:
 - 2.1.2.1.** Research should be based on peer-review publication in the field of reproductive medicine (external to the host training center) and / or gynecological endocrinology and the candidate must be first, second or last author. An original work (incl. Meta-analysis, case reviews...) published in a peer-reviewed journal with an impact factor of at least 0.5 is considered as a suitable publication standard.
 - 2.1.2.2.** Requirements
 - 2.1.3.** To obtain sub-specialist training in reproductive medicine and gynecological endocrinology, the candidate must hold the title of specialist in gynecology and obstetrics and be a member of at least EBCOG, ESHRE and national societies
 - 2.1.4.** It is necessary to present proof of completed modules including completion of trainee logbooks and validated competence signed by the educational supervisor(s) (see section 3)
 - 2.1.5.** Postgraduate training can be acquired entirely part-time (50% or more) but will consequently take longer.
 - 2.1.6.** Any sub-specialist training in reproductive medicine and gynecological endocrinology can be accomplished and can be done in a European country.

3. Content of sub-specialty training

The specific objectives to sub-specialist training in reproductive medicine and gynecological endocrinology are structured in modules.

The 4 basic modules are obligatory for all candidates who must also certify the acquisition of two additional modules (choice of 2 from 5 options).

3.1. Basic modules (mandatory)

3.1.1. Gynecological endocrinology	Required	Completed
<ul style="list-style-type: none"> • Certificate of patient management (at least 3 consultations per case type listed below) • Curriculum specific requirements: <ul style="list-style-type: none"> ○ Neuro-endocrinology Principles ○ Principles of physiology and pathophysiology of female genital organs ○ Knowledge of endocrine axis functionalities ○ Knowledge of analysis methods and interpretation of hormonal analyzes results ○ Knowledge of the clinical pharmacology of hormonal drugs ○ Special knowledge in diagnosis and treatment of menstrual disorders, incl. primary (delayed puberty) and secondary amenorrhea 	100	
<ul style="list-style-type: none"> • Diagnosis and hormonal therapy of dysfunctional uterine bleeding and dysmenorrhea • Special knowledge in diagnosis and treatment of premenstrual syndrome • Special knowledge in diagnosis and treatment of complex gynecological endocrine diseases <ul style="list-style-type: none"> ○ Disorders of gonadal hypothalamic-pituitary axis ○ Hyperprolactinaemia ○ Androgenization, incl. PCOS (with metabolic syndrome) • Special knowledge of the influence of gonadal and extra-gonadal endocrinal axis dysfunction and treatment of these dysfunctions related to gynecological disorders in particular: thyroid axis dysfunction, adrenal axis dysfunction, and acromegaly • Special knowledge in endocrinology of pregnancy and immunology of reproduction 		

3.1.2. Diagnosis of infertility and targeted therapy of infertility disorders (incl. ART)	Required	Completed
- Certificate of patient management (at least 3 consultations per case type listed below)	100	
- Curriculum of specific requirements: <ul style="list-style-type: none"> o Genetics of female and male infertility o Counselling of infertile couples to all other possible treatment except ART o Diagnosis and treatment for recurrent pregnancy loss o Counselling for ART o Knowledge of the legal situation both nationally and in Europe 		
- Diagnostic and therapeutic Measurements: <ul style="list-style-type: none"> o Infertility treatment without IVF / ICSI: <ul style="list-style-type: none"> ▪ Ovarian stimulation / induction of ovulation ▪ IUI o Infertility treatment with IVF / ICSI: <ul style="list-style-type: none"> ▪ Induction of follicular maturation / Egg collection ▪ Embryo Transfer ▪ Investigation of tubal patency and / or uterine cavity with HSG, or hydrosalpingo-sonography, or hysterosalpingo-sonography with contrast medium 	100 50 75 75 50	

3.1.3. Counselling and treatment management in menopause	Required	Completed
- Certificate of patient management (at least 3 consultations per case)	10	
- Curriculum of specific requirements: <ul style="list-style-type: none"> o Knowledge of menopause physiology o Principles of epidemiology and statistics o Early menopause o Pharmacology of hormone replacement therapy (benefits and risks) o Alternatives to hormonal treatments (benefits and risks) o Investigations and hormonal prevention of osteoporosis o Counselling and support of elderly couple o Counselling and prevention of: <ul style="list-style-type: none"> ▪ Cardiovascular disease, osteoporosis, neurodegenerative diseases, cancer ▪ and management of women with osteoporosis ▪ and management of women with dyslipidemia 		

3.1.4. Contraception	Required	Completed
- Certificate of patient management (at least 3 consultations per case with at least 10 clinically complex cases referred to advise)	10	
- Curriculum of specific requirements: <ul style="list-style-type: none"> o Principles of the physiology of fertilization o Counselling for contraception o Knowledge of hormonal and non-hormonal contraception methods: <ul style="list-style-type: none"> ▪ Pharmacology, metabolism, effects on metabolism (thyroid, bone, coagulation, etc.) ▪ Patient instruction ▪ Indication ▪ Side effects, risks, safety, against-indications o Knowledge of the management and prevention of serious side effects or complications of contraception o Practical experience in the insertion / removal of intrauterine devices (IUDs) or implants <ul style="list-style-type: none"> ▪ Insertion of IUD (LNG-IUD included) ▪ Removal of a non-visible IUD-threat under ultrasound control ▪ Insertion of contraceptive implants ▪ Removal of contraceptive implants 	25 5 10 10	

3.1.5. Surgical Management of Infertility	Required	Completed
- Curriculum of all surgical interventions: <ul style="list-style-type: none"> o hysteroscopy diagnostic and operative o laparoscopy diagnostic and operative 	150 150	
- According to ECRES syllabus: https://www.eshre.eu/Accreditation-and-Certification/ECRES/About-ECRES.aspx		

3.2. Optional modules (free to select 2 from 5 options)

The additional modules define the areas in which a deepening specialist knowledge is acquired.

3.2.1. Andrology	Required	Completed
- Certificate of patient management (at least 3 consultations per case)	30	
- Curriculum of specific requirements:		
o Endocrinology of male puberty		
o Genetics of male infertility		
o Physiology of male reproduction system		
o Patient's clinical history and diagnosis of male infertility		
o Management and therapy for male infertility		
o Principles of Cryobiology and sperm cryopreservation		
o Laboratory Methods:		
▪ Sampling and interpretation of sperm analyzes	100	
▪ Sperm preparations	50	

3.2.2. Gynecology of the adolescent	Required	Completed
- Certificate of patient management (at least 2 consultations per case)	30	
- Curriculum of specific requirements:		
o Embryology of female and male genitalia		
o Endocrinology from childhood to adolescence		
o Disorders of sexual differentiation		
o Disorders in female sexual maturation		
o Diagnosis of primary amenorrhea		
o Diagnosis of female genitalia malformations		
o Early identification of victims of sexual violence		

3.2.3. Psychosomatic and counselling training	Required	Completed
- Certificate of participation in a theoretical seminar on counseling techniques:	6 hours	
▪ Counselling in cases of infertility	20 case	
▪ Counselling of recurrent pregnancy loss	10 case	
▪ Counselling in cases of psychosomatic disorders related to menopause	5 cases	
▪ Counselling in cases of fertility preservation	5 cases	

3.2.4. Gynecological Endocrinology (including primary ovarian failure) Note: The case points 3.2.4 shall be supervised	Required	Completed
<ul style="list-style-type: none"> - Certificate of patient management (at least 3 consultations per case) - Curriculum of specific requirements and extensive knowledge in: <ul style="list-style-type: none"> ▪ Counselling of the woman and couples ▪ Counselling and implementation of women health prevention: <ul style="list-style-type: none"> ▪ Cardiovascular disease, osteoporosis, neuro-degenerative diseases, cancers ▪ Management and treatment of osteoporosis ▪ Management and treatment of women with dyslipidemia ▪ Lifestyle counselling (diet, physical activity...) 	30	
Name of supervisor:		

3.2.5. Early pregnancy and RPL	Required	Completed
<ul style="list-style-type: none"> - Certificate of patient management (at least 3 consultations per case) - Curriculum of specific requirements in ESHRE syllabus and extensive knowledge in early pregnancy problems; clinical competence and detailed understanding of the differences in etiology, diagnosis and management of: <ul style="list-style-type: none"> ▪ sporadic miscarriage and complications e.g. hemorrhage, infection, uterine perforation and need for blood transfusion ▪ knowledge of early pregnancy loss and appropriate management choice e.g. expectant, medical or surgical ▪ recurrent pregnancy loss, diagnostic criteria, investigation, management and counselling ▪ ectopic pregnancy and pregnancy of unknown location ▪ knowledge of thrombophilia, genetics, ultrasound imaging and gestational trophoblastic disease 	10	

Name of applicant: _____

Name of supervisor: _____

Signature applicant: _____

Signature supervisor: _____

Date: _____