

## Study buddy for ESHRE Nurse & Midwife certification: The link between the curriculum, the reading list, and introductory online talks

Curriculum		Reading list	Introductory online talks
<b>A. Physiology of spontaneous conception</b>	A.1. In vivo sperm and egg transport	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 6: Regulation of the Menstrual Cycle (<i>Complete chapter</i>)</li> <li>Chapter 7: Sperm and Egg transport, Fertilization, and implantation (<i>Only the following sections: 'Sperm transport', 'Egg transport'; p243-252 and the summaries on p253, p258-259, p268</i>)</li> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul> In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 6: Implantation and early stages of fetal development (<i>Complete chapter</i>)</li> </ul>	Talk of ESHRE Florence course 2018 by Dr. Inge Custers: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=1">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=1</a>
	A.2. In vivo oocyte maturation		
	A.3. In vivo fertilization		
	A.4. In vivo implantation		
<b>B. Epidemiology of infertility</b>	B.1. Prevalence	Boivin et al., 2007 ESHRE ART fact sheet	Part I of talk of ESHRE Florence course 2018 by Ms. Sara Somers: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=2">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=2</a> (Please note that the reference in the presentation to 'Calhaz-Jorge et al, 2016' has to be updated to 'De Geyter et al, 2018').
	B.2. Definitions	ICMART glossary (Zegers-Hochschild et al., 2017)	
	B.3. Fertility (treatment) prognosis	De Geyter et al., 2018 Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139)</li> </ul>	
<b>C. Factors affecting fertility</b>	C.1. Age C.2. Lifestyle C.3. Environment	Paffoni et al., 2022 Schmidt et al., 2012 Sharma et al., 2013	Part II of talk of ESHRE Florence course 2018 by Ms. Sara Somers: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=2">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=2</a>

	C.4. Preconception care	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 11: Amenorrhea (<i>Only the following sections: 'Hypothalamic Amenorrhea', 'Eating Disorders', 'Exercise and Amenorrhea'; p. 485-492</i>)</li> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> <li>Chapter 30: Male Infertility (<i>Complete chapter</i>)</li> </ul>	<a href="#">ion=3</a>
<b>D. Female reproduction</b>	D.1. Development of the female reproductive tract	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 3: The Ovary-Embryology and Development (<i>Complete chapter</i>)</li> </ul>	<p>Webinar by Prof. Dr. Antti Perheentupa: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4</a></p>
	D.2. Anatomy of the female reproductive system D.3. Physiology of the female reproductive system	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 4: The Uterus (<i>The following sections can be skipped: 'A Teleological Theory of Endometrial Menstrual Events'; 'The uterus is an endocrine organ'; 'Reproductive function of Leiomyomas'; 'Medical treatment of Leiomyomas'; p135-143 and p150-155</i>)</li> </ul>	
	D.3.1. Endocrinology and the menstrual cycle	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 3: The Ovary-Embryology and Development (<i>Complete chapter</i>)</li> <li>Chapter 4: The Uterus (<i>The following sections can be skipped: 'A Teleological Theory of Endometrial Menstrual Events'; 'The uterus is an endocrine organ'; 'Reproductive function of Leiomyomas';</i></li> </ul>	

		<p><i>'Medical treatment of Leiomyomas'; p135-143 and p150-155)</i></p> <ul style="list-style-type: none"> <li>Chapter 6: Regulation of the Menstrual Cycle (<i>Complete chapter</i>)</li> </ul>	
	D.3.2. Function of the organs	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 3: The Ovary-Embryology and Development (<i>Complete chapter</i>)</li> <li>Chapter 4: The Uterus (<i>The following sections can be skipped: 'A Teleological Theory of Endometrial Menstrual Events'; 'The uterus is an endocrine organ'; 'Reproductive function of Leiomyomas'; 'Medical treatment of Leiomyomas'; p135-143 and p150-155)</i>)</li> </ul>	
	D.3.3. Oogenesis D.3.4. The oocyte	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 3: The Ovary-Embryology and Development (<i>Complete chapter</i>)</li> </ul>	
	D.4. Diagnostic evaluation of the female reproductive system D.4.1. Medical history taking D.4.2. Physical and gynecological examination	<p>ESHRE Good practice recommendations on additions in reproductive medicine (<i>Human Reproduction paper only</i>)</p> <p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul> <p>Genital examination in women: A resource for skills development and assessment (Royal College of Nursing)</p>	<p>Webinar by Dr. Jon Hausken: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4</a></p> <p>Gynecological ultrasound: Talk of ESHRE Florence course 2018 by Ms. Annick Geril: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4</a></p> <p>ESHRE POI Guideline: Talk on ESHRE's eCampus by Dr. Femi Janse:</p>

	D.4.3. Endocrine analysis	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 20: Reproduction and the Thyroid (<i>The following sections can be skipped: 'Functional changes with aging', 'Thyroid function tests', 'Osteoporosis and excessive thyroxine', 'Thyroid nodules', and from 'Thyroid physiology in the fetus and the neonate' until the end of the chapter; p887-889, p895-897, p900-905</i>)</li> </ul> <p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 2: Endocrine control of reproduction: Controlled ovarian hyperstimulation for ART (<i>Complete chapter</i>)</li> </ul>	<a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=4</a>
	<p>D.4.4. Gynecological ultrasound</p> <p>D.4.5. Imaging of uterine cavity and tubal patency (i.e. HSG, saline, gel, oil or foam HyCoSy, 3D ultrasound)</p> <p>D.4.6. Hysteroscopy</p> <p>D.4.7. Laparoscopy</p>	<p>Practical Gynecological Ultrasound</p> <ul style="list-style-type: none"> <li>Chapter 2: Practical equipment operation and technique (<i>Complete chapter</i>)</li> <li>Chapter 7 Ultrasounds and fertility (<i>Complete chapter</i>)</li> </ul> <p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul>	
	D.5. Diagnosing and treating pathology of the female reproductive system	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul>	
	D.5.1. Polycystic Ovary Syndrome	ESHRE Recommendations from the 2023 international evidence-based guideline for the assessment and management of polycystic	

		ovary syndrome ( <i>Human Reproduction paper only</i> )	
	D.5.2. Endometriosis	ESHRE Endometriosis guideline ( <i>Human Reproduction Open paper only</i> )	
	D.5.3. Premature Ovarian Insufficiency	ESHRE POI guideline ( <i>Summary document only</i> )	
	D.5.4. Tubal pathology	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul>	
	D.5.5. Uterine malformations D.5.6. Other	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 4: The Uterus (<i>The following sections can be skipped: 'A Teleological Theory of Endometrial Menstrual Events'; 'The uterus is an endocrine organ'; 'Reproductive function of Leiomyomas'; 'Medical treatment of Leiomyomas'; p135-143 and p150-155</i>)</li> </ul>	
	D.6. General pathology interfering with female fertility	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 4: The Uterus (<i>The following sections can be skipped: 'A Teleological Theory of Endometrial Menstrual Events'; 'The uterus is an endocrine organ'; 'Reproductive function of Leiomyomas'; 'Medical treatment of Leiomyomas'; p135-143 and p150-155</i>)</li> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul> ESHRE Good practice recommendations on	

		recurrent implantation failure ( <i>Human Reproduction Open paper only</i> ) ESHRE Evidence-based guideline on Unexplained Infertility ( <i>Human Reproduction paper only</i> )	
<b>E. Male reproduction</b>	E.1. Development of the male reproductive tract E.2. Anatomy of the male reproductive system E.3. Physiology of the male reproductive system E.3.1. Endocrinology E.3.2. Function of the organs E.3.3. Spermatogenesis E.3.4. The spermatozoa	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 3: The Ovary-Embryology and Development (<i>Complete chapter</i>)</li> <li>Chapter 30: Male Infertility (<i>Complete chapter</i>)</li> </ul> In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 2: Endocrine control of reproduction: Controlled ovarian hyperstimulation for ART (<i>Complete chapter</i>)</li> <li>Chapter 3: Gametes and gametogenesis (<i>Complete chapter</i>)</li> <li>Chapter 4: Gamete interaction (<i>Complete chapter</i>)</li> </ul>	Webinar by Dr. Jackson Kirkman-Brown: <a href="https://ecampus.eshre.eu/course/view.php?id=6243#section-5">https://ecampus.eshre.eu/course/view.php?id=6243#section-5</a>
	E.4. Diagnostic evaluation of the male reproductive system E.4.1. Medical history taking E.4.2. Physical examination E.4.3. Assessment of the sperm sample based on WHO guidelines(*) E.4.4. Endocrine analysis E.4.5. Ultrasound of the testis and/or prostate E.5. Pathology of the male reproductive system E.5.1. Obstructive azoospermia	ESHRE Good practice recommendations on additions in reproductive medicine ( <i>Human Reproduction paper only</i> ) Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 30: Male Infertility (<i>Complete chapter</i>)</li> </ul> (*) WHO laboratory manual for the examination and processing of human semen <ul style="list-style-type: none"> <li>Chapter 8, page 213, Table 8.3 (5th centile)</li> </ul>	Webinar by Dr. Nan Birgitte Oldereid: <a href="https://ecampus.eshre.eu/course/view.php?id=6243#section-5">https://ecampus.eshre.eu/course/view.php?id=6243#section-5</a>

	E.5.2. Non-obstructive azoospermia E.5.3. Varicocele E.5.4. Other E.6. General pathology interfering with male fertility		
<b>F. Clinical fertility treatments</b>		ESHRE Good practice recommendations on add-ons in reproductive medicine ( <i>Human Reproduction paper only</i> )	
	F.1. Surgical treatment	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> </ul> ESHRE Endometriosis guideline ( <i>Human Reproduction paper only</i> )	
	F.2. Ovulation induction F.3. Intra-Uterine Insemination (IUI) F.3.1. Controlled Ovarian Stimulation F.3.1.1. Types of medication F.3.1.2. Stimulation protocols F.3.2. Insemination	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 27: Female Infertility (<i>The following section can be skipped: 'Epidemiology of infertility in the US'; p1138-1139</i>)</li> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> Cohlen et al., 2018	Talk of ESHRE Florence course 2018 by Prof. Dr. Anja Pinborg: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6</a>
	F.4. In Vitro Fertilisation and Intra-Cytoplasmic Sperm Injection (IVF/ICSI)	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 11: Oocyte retrieval and embryo culture (<i>Complete chapter</i>)</li> <li>Chapter 13: Micromanipulation techniques</li> </ul>	Webinar by Prof. Dr. Diane De Neubourg: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6</a>

		<i>(Only the following sections: 'Introduction'; 'ICSI: genetic implications', 'Surgical sperm retrieval', 'Indications for ICSI'; 'IMSI'; 'Assisted Hatching'; p284-287, p290-291, p297-298)</i>	
	F.4.1. Controlled Ovarian Stimulation F.4.1.1. Types of medication F.4.1.2. Stimulation protocols	Clinical Gynecologic Endocrinology and Infertility • Chapter 32: Assisted Reproductive Technologies <i>(Complete chapter)</i>	
	F.4.2. Oocyte retrieval	ESHRE Recommendations for good practice in ultrasound: oocyte pick-up <i>(Human Reproduction Open paper only)</i>	
	F.4.2.1. Procedure	Clinical Gynecologic Endocrinology and Infertility • Chapter 32: Assisted Reproductive Technologies <i>(Complete chapter)</i> In-Vitro Fertilization • Chapter 11: Oocyte retrieval and embryo culture <i>(Complete chapter)</i>	
	F.4.2.2. Pain relief	ESHRE Recommendations for good practice in ultrasound: oocyte pick-up <i>(Human Reproduction Open paper only)</i>	
	F.4.3. Embryo transfer	Clinical Gynecologic Endocrinology and Infertility • Chapter 32: Assisted Reproductive Technologies <i>(Complete chapter)</i>	
	F.5. Frozen Embryo Transfer (FET) cycles	Clinical Gynecologic Endocrinology and Infertility • Chapter 32: Assisted Reproductive Technologies <i>(Complete chapter)</i> In-Vitro Fertilization • Chapter 11: Oocyte retrieval and embryo culture <i>(Complete chapter)</i>	



		<ul style="list-style-type: none"> <li>Chapter 12: Cryopreservation of gametes and embryos (<i>The following section can be skipped: 'Principles of cryobiology'; p254-259</i>)</li> </ul>	
	F.5.1. Monitoring and timing of the FET cycle	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 12: Cryopreservation of gametes and embryos (<i>The following section can be skipped: 'Principles of cryobiology'; p254-259</i>)</li> </ul>	
	F.5.2. Natural cycles and stimulated cycles	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> <p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 12: Cryopreservation of gametes and embryos (<i>The following section can be skipped: 'Principles of cryobiology'; p254-259</i>)</li> </ul>	
	F.6. Surgical treatments for sperm retrieval in the male patient	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> <p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 10: Sperm and ART (<i>The following section can be skipped: 'Sperm preparation for ICSI'; p204-206</i>)</li> </ul>	<p>Webinar by Prof. Dr. Herman Tournaye: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6</a></p>
	<p>F.6.1. PESA (Percutaneous Epididymal Sperm Aspiration)</p> <p>F.6.2. MESA (Microsurgical Epididymal Sperm Aspiration)</p> <p>F.6.3. TESE (Testicular Sperm Extraction)</p>	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 10: Sperm and ART (<i>The following section can be skipped: 'Sperm preparation for ICSI'; p204-206</i>)</li> </ul>	

	<p>F.7. Third party reproduction</p> <p>F.7.1. Oocyte, sperm and embryo donation</p> <p>F.7.2. Legislation, anonymity and donor quota</p> <p>F.7.3. Secrecy and disclosure</p> <p>F.7.4. Direct-to-consumer genetic testing</p> <p>F.7.5. Information and support needs of donors, recipients and offspring</p>	<p>ESHRE Task Force on Ethics and Law: Gamete and embryo donation</p> <p>ESHRE Good practice recommendations for information provision for those involved in reproductive donation</p>	<p>Talk of ESHRE Florence course 2018 by Dr. Kirsten Tryde-Macklon:</p> <p><a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=6</a></p>
	<p>F.7.6. Gestational carrier</p>	<p>Shenfield et al, 2005 (ESHRE Task Force on Ethics and Law 10: Surrogacy)</p>	
	<p>F.8. Fertility preservation</p> <p>F.8.1. Ovarian tissue cryopreservation</p> <p>F.8.2. Oocyte/embryo cryopreservation</p>	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 12: Cryopreservation of gametes and embryos (<i>The following section can be skipped: 'Principles of cryobiology'; p254-259</i>)</li> </ul> <p>Schüring et al., 2018 von Wolff et al., 2018</p>	
<p><b>G. Lab Medical Assisted Reproduction (MAR) procedures</b></p>	<p>G.1. Sperm preparation for IUI, IVF, ICSI</p>	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> <p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 10: Sperm and ART (<i>The following section can be skipped: 'Sperm preparation for ICSI'; p204-206</i>)</li> </ul>	<p>Webinar by Ms. Hilde Afschrift:</p> <p><a href="https://ecampus.eshre.eu/course/view.php?id=6243#section-7">https://ecampus.eshre.eu/course/view.php?id=6243#section-7</a></p>
	<p>G.2. Slow freezing and vitrification</p>	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 12: Cryopreservation of gametes and embryos (<i>The following section can be skipped: 'Principles of cryobiology'; p254-259</i>)</li> </ul>	

	G.3. ICSI	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul>	
	G.4. IVF	Hart & Norman, 2013a-b Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul>	
	G.5. Non-routine methods		
	G.5.1. In Vitro Maturation (IVM)	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul>	
	G.5.2. Assisted Hatching (AHA)	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 13: Micromanipulation techniques (<i>Only the following sections: 'Introduction'; 'ICSI: genetic implications', 'Surgical sperm retrieval', 'Indications for ICSI'; 'IMSI'; 'Assisted Hatching'; p284-287, p290-291, p297-298</i>)</li> </ul>	
<b>H. Embryology</b>	H.1. Mitosis and meiosis	In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 5: First stages of development (<i>The following section only: 'Pre-implantation development'; p97-104</i>)</li> <li>Chapter 6: Implantation and early stages of fetal development (<i>Complete chapter</i>)</li> </ul>	Webinar by Dr. Hanne Devroe: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=8">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=8</a>

	H.2. Fertilization and zygotes	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 4: Gamete interaction (<i>Complete chapter</i>)</li> <li>Chapter 5: First stages of development (<i>The following section only: 'Pre-implantation development'; p97-104</i>)</li> </ul>	
	H.3. Morphology and cleavage of the embryo	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 5: First stages of development (<i>The following section only: 'Pre-implantation development'; p97-104</i>)</li> <li>Chapter 6: Implantation and early stages of fetal development (<i>Complete chapter</i>)</li> </ul>	
	H.4. Implantation of the embryo	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Chapter 7: Sperm and Egg transport, Fertilization, and Implantation (<i>Only the following sections: 'Sperm transport', 'Egg transport'; p243-252 and the summaries on p253, p258-259, p268</i>)</li> </ul> <p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 5: First stages of development (<i>The following section only: 'Pre-implantation development'; p97-104</i>)</li> <li>Chapter 6: Implantation and early stages of fetal development (<i>Complete chapter</i>)</li> </ul>	
	H.5. Time lapse	<p>In-Vitro Fertilization</p> <ul style="list-style-type: none"> <li>Chapter 11: Oocyte retrieval and embryo culture (<i>The following section only: 'Time-lapse systems'; p236-239</i>)</li> </ul>	
<b>I. Genetics</b>	I.1. Introduction		Webinar by Prof. Dr. Sophie Debrock:

	I.2. Genotype and phenotype	In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 4: Gamete interaction (<i>Complete chapter</i>)</li> </ul>	<a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=9">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=9</a>
	I.3. Chromosomal abnormalities: numerical, structural	In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 14: Preimplantation genetic diagnosis (<i>Complete chapter</i>)</li> </ul>	
	I.4. Methods: karyotyping, fluorescent in-situ hybridization (FISH), polymerase chain reaction (PCR), next generation sequencing (NGS)		
	I.5. Preimplantation Genetic Testing for Monogenic/Single gene diseases (PGT-M) and Preimplantation Genetic Testing for Aneuploidies (PGT-A)	Managing chromosomal mosaicism in a PGT workflow (ESHRE) ( <i>Two-page summary document only</i> ) Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 14 Preimplantation genetic diagnosis (<i>Complete chapter</i>)</li> </ul>	
	I.6. Epigenetics/imprinting	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 32: Assisted Reproductive Technologies (<i>Complete chapter</i>)</li> </ul> In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 5: First stages of development (<i>The following section only: 'Pre-implantation development'; p97-104</i>)</li> <li>Chapter 15: Epigenetics and human assisted reproduction (<i>Complete chapter</i>)</li> </ul>	
<b>J. Early pregnancy</b>	J.1. Endocrinology of early pregnancy	Clinical Gynecologic Endocrinology and Infertility	

		<ul style="list-style-type: none"> <li>Chapter 8: The Endocrinology of Pregnancy (<i>Only the following sections: 'Progesterone', 'human Chorionic Gonadotrophin'; p270-273 and p287-291</i>)</li> </ul>	Talk of ESHRE Florence course 2018 by Dr. Emma Kirk: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=10">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=10</a>
	J.2. Pregnancy test	In-Vitro Fertilization <ul style="list-style-type: none"> <li>Chapter 6: Implantation and early stages of fetal development (<i>Complete chapter</i>)</li> </ul>	
	J.3. Ultrasound assessment for viability	Practical Gynecological Ultrasound <ul style="list-style-type: none"> <li>Chapter 7: Ultrasounds and fertility (<i>Complete chapter</i>)</li> </ul>	
	J.4. Early pregnancy failures	Clinical Gynecologic Endocrinology and Infertility <ul style="list-style-type: none"> <li>Chapter 33: Ectopic pregnancy (<i>The following section can be skipped: 'Unusual types'; p1408-1412</i>)</li> </ul>	
	J.4.1. Ectopic pregnancies	ESHRE Recurrent Pregnancy Loss Guideline (Update 2022) ( <i>Recommendations only</i> )	
	J.4.2. Recurrent early pregnancy loss		
<b>K. Quality of care</b>	K.1. Quality management	Alper, 2013	Webinar by Dr. Kelly Tilleman: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=11">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=11</a>
	K.1.1. Key Performance Indicators (structure, process, outcome) for all six quality dimensions	Dancet et al., 2013 ESHRE Special Interest Group of Embryology and Alpha Scientists in Reproductive Medicine, 2017	
	K.1.2. If/ how/when to implement new procedures	Harper et al., 2012	
	K.2. European legislation K.2.1. Infection screening K.2.2. Laboratory conditions	ESHRE Revised guidelines for good practice in IVF Laboratories ( <i>Complete document</i> ) EU Tissues and Cells Directive ( <i>Complete document</i> )	
<b>L. Safety of fertility treatment</b>	L.1. Ovarian Hyper Stimulation Syndrome	Devroey et al., 2011 The Management of Ovarian Hyperstimulation Syndrome (Royal College of Obstetricians &	Webinar by Prof. Dr. Anja Pinborg: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=12">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=12</a>

		Gynaecologists) ( <i>Recommendations and tables only</i> )	
	L.2. Multiple pregnancies	Pinborg, 2005	
	L.3. Risks to the mother L.3.1. Procedure related complications L.3.2. Pregnancy related complications	Siristatidis et al., 2013 ( <i>Excluding endometrial cancer</i> ) ESGO/ESHRE/ESGE Guidelines for the fertility-sparing treatment of patients with endometrial carcinoma ( <i>Human Reproduction paper only</i> )	
	L.4. Risks to the child	Berntsen et al., 2019 Hart & Norman, 2013a-b Pinborg et al., 2013	
<b>M. Psychosocial wellbeing of and support for patients</b>	M.1. Psychosocial care in fertility clinics: patient preferences and well-being M.2. Psychosocial care of patients before treatment M.3. Psychosocial care of patients during treatment M.4. Psychosocial care of patients after treatment	ESHRE Guideline for routine psychosocial care ( <i>Summary document only</i> )	Talk of ESHRE Florence course 2018 by Prof. Dr. Eline Dancet: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=13">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=13</a>
	M.5. Human and system factors of patient-centered care	Dancet et al., 2011	
	M.6. Informed and shared decision making	Elwyn et al., 2017 Peddie et al., 2005	
<b>N. Research</b>	N.1. Finding and reviewing research	Essentials of Nursing Research <ul style="list-style-type: none"> <li>Chapter 7: Finding and reviewing research evidence in the literature (<i>Only the following sections: 'Summary points', p130; 'Locating relevant literature for a research review', p118-124</i>)</li> </ul>	Talk of ESHRE Florence course 2018 by Prof. Dr. Eline Dancet: <a href="https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=14">https://ecampus.eshre.eu/course/view.php?id=6243&amp;section=14</a>
	N.2. Basic principles of quantitative and qualitative research	Essentials of Nursing Research <ul style="list-style-type: none"> <li>Chapter 3: Key concepts and steps in qualitative and quantitative research (<i>The</i></li> </ul>	

		<p><i>following section only: 'Summary points', p59-60)</i></p> <ul style="list-style-type: none"> <li>Chapter 11: Measurement and data quality (<i>The following section only: 'Summary points', p 212)</i>)</li> </ul>	
	N.3. Informed consent and other procedures for protecting research	<p>Essentials of Nursing Research</p> <ul style="list-style-type: none"> <li>Chapter 5: Ethics in research (<i>Only the following sections: 'Summary points', p96; 'Informed consent' and 'Confidentiality of procedures', p87-89)</i>)</li> </ul>	
	N.4. Collecting quantitative data	<p>Essentials of Nursing Research</p> <ul style="list-style-type: none"> <li>Chapter 10 : Sampling and data collection in quantitative studies (<i>Only the following sections; 'Summary points', p196-97; 'Sample in quantitative studies', p181-182 and 'Self-reports', p184-89)</i>)</li> </ul>	
	N.5. Interpreting data	<p>Clinical Gynecologic Endocrinology and Infertility</p> <ul style="list-style-type: none"> <li>Appendix I: Interpreting Epidemiologic Reports (<i>Complete appendix</i>)</li> </ul> <p>Essentials of Nursing Research</p> <ul style="list-style-type: none"> <li>Chapter 12: Statistical analysis of quantitative data (<i>Only the following section: 'Tips on reading text with statistical information', p240-242)</i>)</li> </ul>	