I. ABNORMAL UTERINE BLEEDING


II. AMENORRHEA (PRIMARY AND SECONDARY)

a. Hypothalamic and Pituitary


Classic/Essential References in Reproductive Endocrinology & Infertility


Perkins RB, Hall JE, Martin KA. Aetiology, previous menstrual function and patterns of neuro-endocrine disturbance as prognostic indicators in hypothalamic amenorrhoea. Hum Reprod 2001; 16(10):2198-2205. Important

b. Ovarian


III. ANDROGEN DISORDERS

a. Ovary


b. Adrenal


New MI. Inborn errors of adrenal steroidogenesis. Mol Cell Endocrinol 2003; 211:75-83. Important

c. Hirsutism


Moghetti P, Toscano V. Treatment of hirsutism and acne in hyperandrogenism. Best Pract Res Clin Endocrinol Metab 2006; 20:221-34. Important


Muderris II, Bayram F, Guven M. A prospective, randomized trial comparing flutamide (250 mg/d) and finasteride (5mg/d) in the treatment of hirsutism. Fertil Steril 2000; 73:984-7. Important


IV. CLINICAL DIAGNOSTIC TECHNIQUES

a. Operative


b. Imaging (Ultrasonography/HSG)


Epstein E, Valentin L. Gray-scale ultrasound morphology in the presence or absence of intrauterine fluid and vascularity as assessed by color Doppler for discrimination between benign and malignant endometrium in women with postmenopausal bleeding. Ultrasound Obstet Gynecol 2006; 8:89-95. Important


V. CLINICAL PHARMACOLOGY OF HORMONES

a. Pituitary


b. Adrenal/Pancreas


c. Ovary


Paszkowski T, Clarke RN, Hornstein MD. Smoking Induces Oxidative Stress Inside the Graafian Follicle. Hum Reprod 2002; 17:921-5. **Important**


d. Thyroid


Yen PM. Physiological and molecular basis of thyroid hormone action. Physiol Rev 2001; 81:1097-142. Review


Yen, PM, Ando, S, Feng, X, et al. Thyroid hormone action at the cellular, genomic and target gene levels. Mol Cell Endocrinol 2006; 246:121. Review


VI. CONTRACEPTION


Schlesselman JJ. Net effect of oral contraceptive use on the risk of cancer in women in the US. Obstet and Gynecol 1995; 85:793-801. Important

VII. ECTOPIC PREGNANCY

a. Surgical Management


Seeber BE, Barnhart KT. Suspected ectopic pregnancy. Obstet Gynecol 2006; 107(2 Pt 1):399-413. Important


Seifer DB, Gutmann JN, Grant WD, Kamp CA, DeCherney AH, Comparison of persistent ectopic pregnancy after laparoscopic salpingostomy vs. salpingostomy at laparotomy for ectopic pregnancy. Obstet Gynecol 1993; 378-382. Important

b. Medical Management


VIII. EMBRYOLOGY AND DEVELOPMENT

a. Ambiguous Genitalia/Intersex Disorders


b. Mullerian Anomalies


**IX. ENDOCRINOLOGY OF PREGNANCY**

a. Implantation


b. Placenta


Siiteri PK, MacDonald PC, Placental estrogen biosynthesis during human pregnancy, J Clin Endocrinol Metab 1996; 26(7):751-61. Important


Cross JC, Anson-Cartwright L, Scott IC. Transcription factors underlying the development and endocrine functions of the placenta. Recent Prog Horm Res 2002; 57:221-34. Review

Godfrey KM. The role of the placenta in fetal programming – a review. Placenta 2002; 23(suppl 1): S20-S27. Review

c. Fetus


Wald NJ, Watt HC, Hackshaw AK. Integrated screening for down’s syndrome based on tests performed during the first and second trimesters. NEJM 1999; 341(7): 461-467. Important


X. FEMALE INFERTILITY

a. Tubal


b. Endometriosis

Sampson JA. Peritoneal endometriosis due to menstrual dissemination of endometrial tissue into the peritoneal cavity. Am J Obstet Gynecol 1927; 71:422-69. **Classic**


Lebovic DI; Mueller MD; Taylor RN. Immunobiology of endometriosis. Fertil Steril 2001; 75(1):1-10 **Review**


c. Unexplained


Johnson NP, Mak W, Sowter MC. Surgical treatment for tubal disease in women due to undergo in vitro fertilisation. Cochrane Database Syst Rev 2004; (3) **Review**


XI. LABORATORY CAPABILITIES

a. Hormone Assays


Raff H, Raff JL, Findling JW. Late-night salivary cortisol as a screening test for Cushing's syndrome. J Clin Endocrinol Metab 1998; 83:2681-86. Important


b. Genomics


Petrik, J. Diagnostic Applications of Microarrays. Transfusion Med 2006: 16;233-47. Review


c. Proteomics


d. Pharmacogenetics/genomics


XII. MALE FACTOR INFERTILITY

a. Semen Assessment/Treatment


b. Genetic Testing


c. Role of Varicocele


XIII. MECHANISMS OF HORMONE ACTION

a. G Protein Coupled Receptors


Altman J. Endocrine receptors as targets for new drugs. Neuroendocrinology 2006; 83:282-88.  Important


b. Nuclear Receptors

Nagy L, Schule R, Gronemeyer H. Twenty years of nuclear receptors: Conference on Nuclear Receptors: from Chromatin to Disease. EMBO Rept 2006; 7:579-84.  Review


Kucharova S, Farkas R. Hormone nuclear receptors and their ligands: role in programmed cell death. Endocr Reg 2002; 36:37-60.  **Important**


c. Orphan Receptors


d. Signal Transduction Pathways


Brown MS, Goldstein JL. A receptor-mediated pathway for cholesterol homeostasis. Science 1986; 232:34.  **Classic**


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Lange CA. Making sense of cross-talk between steroid hormone receptors and intracellular signaling pathways: who will have the last word? Mol Endocrinol 2004; 2:269. Important


XIV. MENOPAUSE

a. General


b. Hormone Therapy


Writing Group for the WHI. Risks and benefits of estrogen plus progestin in healthy postmenopausal women – principal results from the women’s health initiative randomized controlled trial. JAMA 2002; 288:321-33. Important
Women’s Health Initiative Steering Committee. The Effects of conjugated equine estrogen in postmenopausal women with hysterectomy. JAMA 2004; 291:1701-12. Important

Lyytinen H, Pukkala E, Ylikorkala O. Breast cancer risk in postmenopausal women using estrogen-only therapy. Obstet Gynecol 2006; 108:1354-60. Important


Grodstein F, Manson JE, Stampfer MJ. Hormone therapy and coronary heart disease: the role of time since menopause and age at hormone initiation. J Womens Health 2006; 15:35-44. Important


c. Osteoporosis


XV. NEUROENDOCRINE FUNCTION AND DISEASE


XVI. NUTRITION AND REPRODUCTION


XVII. OVARIAN FUNCTION AND DISEASE STATES

a. Menstrual Cycle


Classic/Essential References in Reproductive Endocrinology & Infertility

El-Roeiy A, Chen X, Roberts VJ, LeRoith D, Roberts Jr, CT, Yen SSC. Expression of insulin-like growth factor-I (IGF-I) and IGF-II and the IGF-I, IGFII, and insulin receptor genes and localization of the gene products in the human ovary. J Clin Endocrinol Metab 1993; 77:1411. Important


b. PMS


c. PCOS


d. Premature Ovarian Failure


XVIII. PSYCHOLOGIC AND SEXUAL IMPLICATIONS OF REPRODUCTIVE DISEASES


XIX. PUBERTY

a. Precocious


b. Delayed


Rosenfield RL. Clinical review: Diagnosis and management of delayed puberty. J Clin Endocrinol Metab 1990; 70:559-62. Review


XX. RECURRENT PREGNANCY LOSS


XXI. REPRODUCTIVE IMMUNOLOGY

a. Seminal Antigens and Antibodies


Classic/Essential References in Reproductive Endocrinology & Infertility


XXII. THYROID FUNCTION AND DISEASE STATES

a. Hypothyroidism


b. Hyperthyroidism


c. Subclinical thyroid disease

Surks MI, Ortiz E, Daniels GH, et al. Subclinical thyroid disease - Scientific review and guidelines for diagnosis and management. JAMA 2004; 291(2):228-238. Review


**XXIII. STATISTICS**

a. Research and Thesis


Greenhalgh T. Papers that summarize other papers (systematic reviews and meta-analyses). BMJ 1997; 315:672-5. Review

Laird NM, Ware JH. Random-effects models for longitudinal data. Biometrics 1982; 38:963-74. Important


XXIV. SURGICAL TECHNIQUES


XXV. TECHNIQUES OF ASSISTED REPRODUCTION

a. Stimulation Protocols / Ovulation Induction


Al-Inany HG, Abou-Setta AM, Aboulghar M. Gonadotrophin-releasing hormone antagonists for assisted conception. Cochrane Database Syst Rev
Classical/essential references in reproductive endocrinology & infertility


Important


Outcomes


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c. PGD (Applications and Ethics)


Classic/Essential References in Reproductive Endocrinology & Infertility


d. Fertility Preservation


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c. Assessment and Testing


d. Embryo Culture


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Blake D, Proctor M, Johnson N, Olive D. Cleavage stage versus blastocyst stage embryo transfer in assisted conception. Cochrane Database of Systematic Reviews 2005; (4): CD002118. Important