Yale SCHOOL OF MEDICINE

OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE SCIENCES

Faculty Directory 2019

Sonya Abdel-Razeq, MD sonya.abdel-razeq@yale.edu



Assistant Professor (OB/GYN) Maternal-Fetal Medicine; Medical Director, Maternal Special Care Unit

Research: Maternal versus fetal inflammatory properties; Assessment of intra-abdominal fluid composition and renal predictive biomarkers; Assessment of free radical formation in sepsis conditions

Clinical: Maternal and fetal inflammation/ infection; Pregnancy complications; Chorioamnionitis; Preterm birth; Free radical formation; Critical care; Sepsis; Systemic inflammatory response syndromes; Renal injury in the critically ill; Multiple organ dysfunction syndrome

Vikki Abrahams, PhD vikki.abrahams@yale.edu

Associate Professor (OB/GYN); Maternal-Fetal Medicine; Perinatal Research

Research: Human and Translational Immunology (HIT) Program; Reproductive Immunology; Immunology of Pregnancy; Antiphospholipid Antibody Syndrome; Innate immune responses to infection at the maternal-fetal interface; Mechanisms of antiphospholipid antibody-induced pregnancy complications; Role of placental microparticles in the pathogenesis of preeclampsia



Ayesha Alvero, MD ayesha.alvero@yale.edu



Research Scientist and Scholar (OB/GYN); Reproductive Immunology Unit and Discovery to Cure Program **Research**: Mechanism of chemo resistance in ovarian cancer; Control of programmed cell death; Mitochondrial biology in cancer stem cells; Development of in vitro and in vivo ovarian cancer models for drug discovery

Aydin Arici, MD aydin.arici@yale.edu

Professor (OB/GYN); Reproductive Endocrinology and Infertility; Pituitary Program; Yale Core Center for Musculoskeletal Disorders; IVF Program

Research: Endometriosis

Clinical: Infertility; Egg donation; Recurrent pregnancy loss (1st trimester); Congenital anomalies; Endometriosis; Menstrual problems; Menopause





Masoud Azodi, MD masoud.azodi@yale.edu

Professor (OB/GYN); Gynecologic Oncology, Director of Minimally Invasive and Robotic Surgery in Gynecologic Oncology; Chief f Gynecologic Oncology at Bridgeport Hospital; Developmental Therapeutics; Ovarian Cancer Program, Early Detection

Research: Translational research; Gynecologic cancer

Clinical: Pre-malignant and malignant gynecologic disorders; Minimally invasive approaches for gynecologic cancer, including laparoscopic staging, radical vaginal surgeries, and radical trachelectomy for treatment of cervical cancer with preservation of childbearing capacity; Robotic surgery; Chemotherapy

Mert Ozan Bahtiyar, MD mert.bahtiyar@yale.edu

Associate Professor (OB/GYN & Nursing) Maternal-Fetal Medicine; Director, Yale Fetal Care Center

Research: Fetal cardiac function; Monochorionic gestation; Twin to twin transfusion syndrome; Twin anemia polycythemia sequence;

Clinical: Fetal therapy; twin-to-twin transfusion syndrome; Twin anemia polycythemia sequence; Selective intrauterine growth restriction; Multiple gestation; Fetal laser surgery; Fetoscopy; Fetal anemia; Intrauterine blood/partial exchange transfusion; Posterior urethral valve; Bladder shunt



Sarah Baxley, MD, PhD sarah.baxley@yale.edu



Assistant Clinical Professor (OB/GYN); Division of Gynecologic Specialties and VA Surgical Service; Ob/Gyn Clerkship Site Director, York Street Campus

Research: Undergraduate and graduate medical education **Clinical**: Cervical dysplasia, Prenatal Care, Gynecologic Care, Preventative Medicine

> Stefania Bellone, PhD stefania.bellone@yale.edu

Associate Research Scientist (OB/GYN)

Research: Therapeutic vaccine development for gynecologic malignancies; Tumor immunology, Immunotherapy, Tumor angiogenesis; Radiation biology; Experimental therapeutics in gynecologic oncology



Richard Bercik, MD richard.bercik@yale.edu



Assistant Professor (OB/GYN & Urology); Urogynecology & Reconstructive Pelvic Surgery: Pelvic Medicine and Continence Center

Research: Pelvic organ prolapse; Vaginal Mesh; Fecal Incontinence and neuromodulation

Clinical: Urinary and fecal incontinence; Pelvic organ prolapse; Pelvic floor disorders; Interstitial cystitis; Urodynamic testing office; Cystoscopy; Collagen injections; Biofeedback for urinary/fecal incontinence; Advanced laparoscopic surgery; Abdominal/pelvic floor reconstruction; Vaginal hysterectomy for the enlarged/ fibroid uterus; Vaginal fistulae; Minimally invasive surgery for prolapse/incontinence; Robotic surgery

Katherine Campbell, MD, MPH katherine.campbell@yale.edu

Assistant Professor (OB/GYN) Maternal-Fetal Medicine; Adult Congenital Heart Disease Program; Director, MFM Outpatient Services

Research: Cervical ripening and preterm labor; Intra-amniotic infection; Fetal growth restriction; Epidemiological trends in obstetrics

Clinical: Preconception counseling; Medical complications of pregnancy; Prenatal diagnosis; Amniocentesis; Multifetal pregnancies; Fetal growth restriction; Preeclampsia; Infectious disease in pregnancy; Preterm labor; Intrapartum care; Postpartum care



Yonghee Cho, MD yonghee.cho@yale.edu



Assistant Professor (OB/GYN); Division of Gynecologic Specialties

Research: Endometriosis, Essure

Clinical: Advanced Laparoscopic Benign Gynecologic Surgery, Robotic Assisted Gynecologic Surgery, Endometriosis, Chronic Pelvic Pain, Fibroids

Stephen Collins, MD stephen.c.collins@yale.edu

Assistant Professor (OB/GYN); Reproductive Endocrinology and Infertility

Research: Genetics of infertility, recurrent pregnancy loss, and preimplantation genetic testing. Impact of ethics and religion on reproductive healthcare and the experience of infertility; Multigene panel testing for infertility risk assessment; Preimplantation genetic diagnosis; Array-based FMR1 sequencing and deletion analysis in patients with a fragile X syndrome-like phenotype.

Clinical: Infertility; Egg donation; Recurrent pregnancy loss (1st trimester); Congenital anomalies; Endometriosis; Menstrual problems; PCOS; Menopause



Joshua Copel, MD joshua.copel@yale.edu



Professor (OB/GYN & Pediatrics) Maternal-Fetal Medicine; Vice Chair, Obstetrics; Fetal Cardiovascular Center; Adult Congenital Heart Program; High-Risk Pregnancy Program

Research: Prenatal diagnosis; Fetal therapy; Chorionic villus sampling; Cordocentesis

Clinical: Fetal treatment; Fetal echocardiography; Chorionic villus sampling (CVS); Fetal surgery; Amniocentesis; First trimester screening

Julia Cron, MD julia.cron@yale.edu

Assistant Professor (OB/GYN) Division of Gynecologic Specialties, Director, Residency Program **Research:** Education, mentorship, women's health advocacy, leadership training

Clinical: Pediatric and adolescent gynecology





Associate Research Scientist (OB/GYN)

Research: The interaction of stress, infection and pregnancy outcomes. Periodontal disease prevalence and risk factors in women with a history of preterm birth.

Linda Fan, MD, FACOG linda.fan@yale.edu

Assistant Professor (OB/GYN) Director, Division of Gynecologic Specialties; Co-chair Gynecologic Services Quality Assurance Committee

Clinical: Fibroids; Benign ovarian masses; Abnormal uterine bleeding; Pelvic pain; Incontinence; Prolapse; Abnormal pap smears; Improving access to gynecologic care for the underserved



Mindy Fishman, MD mindy.fishman@yale.edu



Assistant Professor (OB/GYN) Obstetric Specialties & Midwifery at SRC

Clinical: Obstetrics

Clare Flannery, MD clare.flannery@yale.edu

Assistant Professor (OB/GYN) Reproductive Endocrinology & Infertility; Assistant Professor of Medicine (Endocrinology); Diabetes Endocrinology Research Center

Research: Effect of obesity and Type 2 diabetes on endometrium and placenta; Polycystic Ovary Syndrome; Endometrial Hyperplasia and Type 1 Endometrioid Adenocarcinoma

Clinical: PCOS, Pre-diabetes; Type 2 diabetes; Weight management, Transgender hormone therapy



France Galerneau, MD, FRCS(C) france.galerneau@yale.edu



Associate Professor (OB/GYN); Maternal-Fetal Medicine: Director of Pre-Clinical Education; Prenatal Diagnostic Service; High-Risk Pregnancy Program; Maternal Special Care Unit; Prenatal Laboratory **Clinical**: Prenatal diagnosis; Obstetrical and pelvic ultrasound; Treatment of medical complications of pregnancy

Xiao-Bing Gao, PhD xiao-bing.gao@yale.edu

Associate Professor (OB/GYN & Comparative Medicine); Integrative Cell Signaling & Neurobiology of Metabolism (ICSNM); Reproductive Neurosciences Group

Research: Neurotransmission; Neurotransmitter response and synaptic plasticity; Cellular physiology of neuropeptides (hypocretin/orexin, melanin concentrating hormone, neuropeptide Y, ghrelin, leptin, and a-MSH); Ion channels (Na+, Ca2+, K+ channels); Electrophysiology/patch clamp recording; calcium imaging; Hypothalamus/lateral hypothalamic area; Energy homeostasis/feeding regulation; Sleep homeostasis and regulation; Drug addiction



Aileen Gariepy, MD, MPH, FACOG, MHS aileen.gariepy@yale.edu



Associate Professor (OB/GYN) Family Planning; Director, Yale Fellowship in Family Planning

Research: Developing and testing innovative, multi-faceted strategies for decreasing unintended pregnancy in marginalized populations. Previous research includes the impact of cost on contraceptive provision, analyzing the comparative effectiveness of methods of female sterilization, and measuring the effect of unintended pregnancy on women's lives. As her newest direction, she is developing and testing a videogame intervention to decrease high-risk sexual behavior in at adolescents and young adults.

Clinical: Complex contraceptive care; values clarification; pregnancy options counseling; fetal demise; surgical abortion; adolescent reproductive health

Dorothy Greenfeld, MSW dorothy.greenfeld@yale.edu

Clinical Professor (OB/GYN) Reproductive Endocrinology & Infertility; Director, Psychological Support Services

Research: Recurrent Pregnancy Loss Program; Reproductive Endocrinology & Infertility: Yale Fertility Center; Third Party Reproduction Program; Fertility Center Psychological Services; Fertility Center - Egg Donation





Seth Guller, PhD seth.guller@yale.edu



Senior Research Scientist (OB/GYN); Director, Gyn/Endocrine Laboratory

Research: Placental physiology; Intrauterine growth restriction; Preeclampsia; Adverse pregnancy outcomes

Clinical: Dr. Guller directs the Yale Gyn/Endocrine Laboratory which uses immulite technology to analyze hormone level in serum from patients seen in the Division of Reproductive Endocrinology and Infertility

Oz Harmanli, MD oz.harmanli@yale.edu

Professor (OB/GYN & Urology); Director of the Division of Urogynecology and Reconstructive Pelvic Surgery

Research: Pelvic reconstructive and obliterative surgery, optimization of robotic surgery, pessaries, natural orifice surgery, postoperative voiding dysfunction, obesity and gynecologic surgery

Clinical: Vaginal, laparoscopic and robotic surgery for urinary incontinence and pelvic organ prolapse, urodynamic evaluation, vaginal hysterectomy for enlarged/fibroid uterus, repair of pelvic fistula, minimally invasive vaginal reconstruction for congenital anomalies



<u>Richard Hochberg, PhD</u> richard.hochberg@yale.edu

Professor Emeritus (OB/GYN); Yale Core Center for Musculoskeletal Disorders; Cancer Biology



Group, Steroid Hormone Biochemistry Lab **Research:** Steroid biochemistry; Steroid receptors; Synthesis of estrogens; Locally active estrogens; SERMs; Badiochemistry: Estrogens and Androgens labeled with high energy isotopes: SPECT imaging the estrogen a

Radiochemistry; Estrogens and Androgens labeled with high energy isotopes; SPECT imaging the estrogen and androgen responsive regions of the primate brain; Developing SERMs that do not act on the brain and cause hot flashes; Develop locally active antiandrogens for the treatment of skin

Tamas Horvath, DVM, PhD tamas.horvath@yale.edu

Jean and David W. Wallace Professor (Comparative Medicine); Professor (Neurobiology & OB/GYN); Chair, Section of Comparative Medicine; Jean and David W. Wallace Professor (Biomedical Research), Director, Yale Program in Integrative Cell Signaling and Neurobiology of Metabolism

Research: Neurobiology of obesity; Neuroendocrine regulation of homeostasis with particular emphasis on metabolic disorders and the effect of metabolic signals on higher brain functions and neurodegeneration; Role of synaptic plasticity in the mediation of peripheral hormones' effects on CNS; Role of mitochondrial membrane potential in normal and pathological brain functions; acute effect of mitochondria in neuronal transmission and neuroprotection





Associate Professor (OB/GYN); Gynecologic Oncology

Research: Genital Neoplasms, Female; Neoplasm Metastasis; Neoplasms, Hormone-Dependent; Ovarian Neoplasms; Pelvic Neoplasms; Uterine Neoplasms; Genomics

Clinical: Neoplasms of the uterine cervix, fallopian tube, ovaries, vulva and vagina; Endometrial hyperplasia; Hereditary Breast and Ovarian Cancer Syndrome.

Yingqun Huang, MD, PhD yingqun.huang@yale.edu

Associate Professor (OB/GYN); Stem Cell Center, Yale, Transcriptional Regulation of Stem and Progenitor Cells; Cancer Biology Group

Research: Mechanistic understanding of RNA (IncRNA) H19 in endocrine disorders, in addition to reproductive tract cancers and regulation of DNA methylation genome wide by modulating the activity of S-adenosylhomocysteine hydrolase (SAHH); Stem cells; Post-transcriptional regulation of gene expression; Metabolism



Gabor Huszar, MD gabor.huszar@yale.edu



Senior Research Scientist (OB/GYN); Director, Sperm Physiology Laboratory; Reproductive Endocrinology & Infertility: Male Fertility Program; Gamete Biology Group; Women's Reproductive Health Research Career Development Center; Pituitary Program

Research: Biosynthesis of muscle proteins, contributing to Muscular Dystrophy; Pathogenesis and treatment of preterm labor; Spermatozoa structure and function, including development of sperm biomarkers of fertility that facilitated the objective assessment of sperm fertility; Novel approach for an improved ICSI sperm selection

Jessica Illuzzi, MD, MS, FACOG jessica.illuzzi@yale.edu

Associate Professor (OB/GYN) Section Chief of Obstetric Specialties & Midwifery at SRC; Director of Medical Studies in Ob/Gyn and YSM Director of Electives; Women's Reproductive Health Research Scholar, Center for Perinatal, Pediatric, and Environmental Epidemiology

Research: Cost and comparative effectiveness research of different models of maternity care; Shared decision making during perinatal care, including TOLAC and IOL; Contributing indications to the increasing cesarean delivery rate; Investigating causal factors in rising rates of placenta accreta; The role of midwifery in obstetrics and obstetrical training; Optimizing rates of operative vaginal delivery; Prevention of vertical transmission of Group B streptococcus





Assistant Professor (OB/GYN); Reproductive Endocrinology& Infertility and Pediatric & Adolescent Gynecology; Co-Director, Faculty Advisor, Ob/Gyn Medical Student Interest Group

Amanda Kallen, MD amanda.kallen@yale.edu

Research: Noncoding RNA-based regulation of ovarian follicular development, steroid production, and fertility



Ravi Kaza, MD

ravi.kaza@yale.edu

Assistant Professor (OB/GYN) Obstetric Specialties & Midwifery at SRC

Clinical: PID, Amenorrhea, Biopsy, Uterine Cervicitis, Cervix Uteri, Colposcopy, Contraception, Dysmenorrhea, Endometriosis, Endometrium, Estrogens, Hysterectomy, Leiomyoma, Mammography, Obstetrics, PCOS, Premenstrual Syndrome, STD, Sterilization, Tubal Vaginitis, Vulvitis, Hysteroscopy, Estrogen Replacement Therapy, Pelvic Pain, HRT, Perimenopause, Cystocele, Endometrial Ablation Techniques, Pap Test, PDD



Harvey Kliman, MD, PhD

harvey.kliman@yale.edu; klimanlabs.yale.edu



Research Scientist (OB/GYN) Reproductive Endocrinology & Infertility & Division of Women's Behavioral Health Research; Director, Reproductive and Placental Research Unit: Recurrent Pregnancy Loss Program, Yale Fertility Center; Reproductive and Placental Research Unit; Women's Behavioral Health Research

Research: Endometrium; Placenta; Infertility; Pregnancy complications; Autism

Clinical: Infertility; Endometrial function tests; Recurrent pregnancy loss; Placental pathology; PlacentASD[®] Test; Estimated Placental Volume (EPV) testing

Pinar Kodaman, MD, PhD pinar.kodaman@yale.edu

Assistant Professor (OB/GYN) Reproductive Endocrinology & Infertility; Director, Advanced Endoscopic Reproductive Surgery Program

Research: Polycystic ovary syndrome; Endometrial angiogenesis; Oxidative stress; Endothelial dysfunction

Clinical: Infertility; Polycystic ovary syndrome; Premature ovarian failure; Asherman's syndrome; Abnormal uterine bleeding; Reproductive surgery; Recurrent pregnancy loss



Katherine Kohari, MD, FACOG katherine.kohari@yale.edu



Assistant Professor (OB/GYN) Maternal-Fetal Medicine

Research: Fetal Diseases; Obstetric Labor Complications

Clinical: Amniocentesis; Cerclage, Cervical; Chorionic Villi Sampling; Diabetes, Gestational; Fetal Diseases; Fetal Growth Retardation; Hypertension, Pregnancy-Induced; Labor, Obstetric; Obstetric Labor Complications; Oligohydramnios; Phenylketonuria, Maternal; Placenta Diseases; Polyhydramnios; Pregnancy Complications; Pregnancy Complications, Cardiovascular; Pregnancy Complications, Hematologic; Pregnancy Complications, Infectious; Pregnancy Complications, Neoplastic; Pregnancy in Diabetics; Pregnancy, Twin; Prenatal Injuries; Twinning, Monozygotic; Ultrasonography, Prenatal; Uterine

Cervical Incompetence; Vaginal Birth after Cesarean

Ernest Kohorn, MBBCh, MChir ernest.kohorn@yale.edu

Professor Emeritus (OB/GYN) **Research:** Gestational trophoblastic disease



Graciela Krikun, PhD graciela.krikun@yale.edu

Research Scientist (OB/GYN); Endometrial Hemostasis/Thrombosis and Angiogenesis Unit



Research: Endometrial hemostasis; Angiogenesis; Endometrial immune response; Endometriosis; Reproductive immunology; Maternal innate immune system during implantation; Endometrial stem cell population; Possible contributions of immune cells on the stem cell niche

Csaba Leranth, MD, PhD csaba.leranth@yale.edu

Professor (OB/GYN & Neurobiology); Reproductive Neurosciences Group, Neuromorphology Laboratory; Neural Transplant and Neurobehavior Program

Research: Positive gonadal hormonal negative bisphenol A effects; Bisphenol A effect on the non-human primate brain; Gene therapy of primate model of Parkinson's disease; Morphological changes in the primate brain in PCP model of schizophrenia; Positive gonadal hormonal and negative bisphenol A effects on brain areas involved mnemonic functions (hippocampus and prefrontal cortex)



Heather Lipkind, MD heather.lipkind@yale.edu



Associate Professor (OB/GYN) Maternal-Fetal Medicine; Director of Postpartum Services; Maternal-Fetal Medicine: Prenatal Diagnostic Service

Research: Epidemiology; Outcomes research

Clinical: High risk pregnancy; Preterm labor; Multiple gestations; Ultrasound; Labor and birth; Critical care obstetrics; Obesity

Babak Litkouhi, MD babak.litkouhi@yale.edu

Assistant Professor (OB/GYN); Gynecologic Oncology

Research: Adjuvant therapy use and survival in stage II endometrial cancer; Mechanisms influencing the infiltration of CD8 T lymphocytes into the tumor epithelium of advanced-stage serous ovarian cancers; Clinical applications of C-CPE and its effects on CLDN4 expression in EOC; Claudin-4 overexpression in epithelial ovarian cancer; Overexpression of CEACAM6 in borderline and invasive mucinous ovarian neoplasms.

Clinical: Care of women with gynecological cancers using traditional "open" surgery and minimally invasive surgical techniques, including laparoscopic and robotic surgery.

Lisbet Lundsberg, PhD, MPH lisbet.lundsberg@yale.edu



Associate Research Scientist (OB/GYN)

Research: Perinatal epidemiology; Risk factors/prenatal exposures and birth outcomes; Hospital variation in maternity care, obstetric management and intrapartum intervention; Cesarean delivery; Qualitative/mixed-methods and prospective cohort studies; Pregnancy planning/intention and maternal outcomes; Fertility knowledge, practices, and attitudes

Urania Magriples, MD urania.magriples@yale.edu

Associate Professor (OB/GYN) Maternal-Fetal Medicine

Research: Obstetric care delivery; Cognitive behavioral therapy; group prenatal care, medical complications of pregnancy, global health, maternal mortality

Clinical: Prenatal diagnosis; Treatment of medical complications of pregnancy; Global and international healthcare initiatives



Ramanaiah Mamillapalli, PhD ramanaiah.mamillapalli@yale.edu



Research Scientist and Scholar (OB/GYN); Reproductive Endocrinology and Infertility Unit

Research: Dissecting signaling pathways, development of biomarkers and therapeutics for endometriosis. Endometrial stem cells and their applications in treating human diseases such as diabetes and Parkinson's Disease.

Gulden Menderes, MD gulden.menderes@yale.edu

Assistant professor of Obstetrics and Gynecology in the Division of Gynecologic Oncology Clinical: trained in robotic and laparoscopic minimally invasive gynecologic surgery.

Research: Olaparib Tablets as a Treatment for Subjects With Different HRD Tumor Status and With Platinum-Sensitive, Relapsed, High-Grade Epithelial Ovarian, Fallopian Tube, or Primary Peritoneal Cancer That Have Received at Least 2 Prior Lines of Chemotherapy; Weekly Ixabepilone With or Without Biweekly Bevacizumab in Recurrent or Persistent Platinum-resistant/Refractory Epithelial Ovarian, Fallopian Tube, or Primary Peritoneal Cancers; Dose Escalation Study to Evaluate the Safety, Tolerability, Pharmacokinetics, Immunogenicity and Maximum Tolerated Dose of Anetumab Ravtansine in Combination With Pegylated Liposomal Doxorubicin 30 mg/m2



Audrey Merriam, MD, MS audrey.merriam@yale.edu



Assistant Professor (OB/GYN) Maternal-Fetal Medicine;

Clinical: High risk pregnancy; Prenatal diagnoses; Treatment of medical complications of pregnancy.

Research: Risk for postpartum hemorrhage, transfusion, and hemorrhage-related morbidity at low, moderate, and high-volume hospitals; Relationship between Short Interpregnancy Interval and Preterm Birth Related to a Short Cervix; Trends in operative vaginal delivery

Kutluk Oktay, MD, PhD, FACOG kutluk.oktay@yale.edu

Professor (OB/GYN) Reproductive Endocrinology & Infertility; Director of Laboratory of Molecular Reproduction and Fertility Preservation

Clinical: He developed and performed the world's first ovarian transplants and pioneered innovative ovarian stimulation protocols for cancer patients.

Research: Oktay laboratory focuses on DNA repair and BRCA gene function as it relates to gamete aging and fertility preservation. Oktay laboratory has discovered the role of BRCA gene function and related DNA double strand break repair genes in oocyte aging. In addition to translational work on fertility preservation, Oktay laboratory is currently focusing on upstream mechanisms that result in decline in BRCA function and DNA DSB repair deficiency.



Oluwatosin Onibokun, MD oluwatosin.onibokun@yale.edu



Assistant Professor (OB/GYN) Obstetric Specialties & Midwifery at SRC

Research: Global women's health, Expanding minimally invasive surgery in Sub-Saharan Africa; Contraceptive use in Sub-Saharan Africa

Clinical: General Obstetrics & Gynecology; Medical education

Lubna Pal, MBBS, FACOG lubna.pal@yale.edu

Associate Professor (OB/GYN); Associate Chair for Education; Director, Polycystic Ovary Syndrome (PCOS) Program; Director, Menopause Program

Research: Decline in ovarian reserve and multisystem implications thereof; Polycystic Ovarian Syndrome (PCOS) and metabolic implications; Menopause; Vitamin D and Reproductive Function

Clinical: Infertility; PCOS; Menopause / perimenopause; Diminished ovarian reserve; Obesity related reproductive dysfunction; Osteoporosis/osteopenia/low bone mineral density; Menstrual disturbances, Fibroids, PMDD



Shefali Pathy, MD, MPH shefali.pathy@yale.edu

Assistant Clinical Professor (OB/GYN) Division of Gynecologic Specialties; Co- Director, Women's & Children's Health Clerkship; Medical Director, Women's Center

Research: Medical education; Patient safety; Quality improvement

Clinical: Ambulatory and primary care for women; Contraception, Cervical cancer screening and management; Prenatal care; Gynecologic care

Pasquale Patrizio, MD, MBE, HCLD

pasquale.patrizio@yale.edu

Professor (OB/GYN) Reproductive Endocrinology & Infertility; Director, In Vitro Fertilization Program; Director, Fertility Preservation Program

Research: Fertility and Infertility; Cryopreservation; Oocyte biology; Embryonic competence

Clinical: Infertility (female and male) In Vitro Fertilization (IVF); Intracytoplasmic Sperm Injection (ICSI); Preimplantation Genetic Diagnosis (PGD); Egg donation and gestational surrogacy fertility; Fertility Preservation for women and men with cancer: Egg/embryo freezing and sperm banking; Reproductive surgery; Genetics of infertility



Christian Pettker, MD christian.pettker@yale.edu



Associate Professor (OB/GYN) Maternal-Fetal Medicine; Chief of Obstetrics, Yale-New Haven Hospital

Research: Patient safety; Quality improvement; Induction of labor; Management of labor and delivery; Intraamniotic infection and inflammation; Clinical trials and clinical research design; Perinatal outcomes in HIV; Shoulder dystocia documentation and outcomes; Ultrasound at periviability

Clinical: High-risk pregnancies; Medical complications of pregnancy; Ultrasound and prenatal diagnosis; Labor and delivery; Patient Safety; Quality improvement

Elena Ratner, MD elena.ratner@yale.edu

Assistant Professor (OB/GYN); Co-Chief, Section of Gynecologic Oncology: Sexuality, Intimacy and Menopause Program; Ovarian Cancer Program, Early Detection; Discovery to Cure; Palliative and End-of-Life Care Education

Research: Ovarian cancer; Cancer genetics; Cancer prophylaxis; Micro RNA; Sexuality

Clinical: Ovarian, uterine and cervical cancer; cancer prevention; cancer prophylaxis; genetic risk factors; sexuality; menopause; early cancer detection



Uma Reddy, MD uma.reddy@yale.edu

Professor (OB/GYN) Section Chief of Maternal-Fetal Medicine

Clinical: Maternal Fetal Medicine

Research: Karyotype versus Microarray Testing for Genetic Abnormalities after Stillbirth; Treatment of Subclinical Hypothyroidism or Hypothyroxinemia in Pregnancy; Patterns of leisure-time physical activity across pregnancy and adverse pregnancy outcomes; Thyroid function in neonates of women with subclinical hypothyroidism or hypothyroxinemia; Labor Induction versus Expectant Management in Low-Risk Nulliparous Women

Leslie Rickey, MD leslie.rickey@yale.edu

Associate Professor (Urology and OB/GYN); Female Pelvic Medicine and Reconstructive Surgery; FPMRS Fellowship Director

Clinical: Urogynecology, Urinary Incontinence, Pelvic Organ Prolapse, Cystocele, Rectocele, Uterine Prolapse, Fistula, Fecal Incontinence, Laparoscopy/Robotic surgery

Research Female pelvic floor disorders; lower urinary tract dysfunction; predictors of treatment outcomes; patient reported outcomes



Dionisios Sakkas, PhD denny.sakkas@yale.edu



Associate Professor (Adjunct) (OB/GYN); Reproductive Endocrinology & Infertility; Gamete Biology Group; Gamete and Embryo Research Laboratory

Alessandro Santin, MD alessandro.santin@yale.edu

Professor (OB/GYN) Co-Chief, Section of Gynecologic Oncology; Clinical Research Program Leader, Gynecologic Oncology Program, Yale Cancer Center

Research: Mutational landscape of gynecologic tumors; Therapeutic vaccine development for gynecologic malignancies; Tumor immunology; Immunotherapy; Tumor angiogenesis; Radiation biology; Experimental therapeutics in gynecologic oncology

Clinical: Cancer of the ovary, uterus, vagina, cervix and vulva; Intraperitoneal chemotherapy; Tumor immunology and immunotherapy; Tumor angiogenesis; Radiation biology; Experimental therapeutics in gynecologic oncology



Peter Schwartz, MD peter.schwartz@yale.edu



John Slade Ely Professor (OB/GYN); Vice Chair, Gynecology; Gynecologic Oncology

Research: Ovarian, uterine, vaginal, cervical and vulvar cancer; Screening for ovarian cancer; Neoadjuvant chemotherapy in the treatment of patients with advanced ovarian cancer; Management strategies for women with uterine papillary serous cancer; Early detection of ovarian cancer; Treatment of the elderly with ovarian and/or uterine cancer

Clinical: Ovarian, uterine, vaginal, cervical and vulvar cancer; Difficult gynecologic surgery; Screening for ovarian cancer; Gestational neoplasia; Brachytherapy

David Seifer, MD david.seifer@vale.edu

Professor (OB/GYN) Reproductive Endocrinology & Infertility

Research: Ovarian follicular aging; Use of granulosa cell proteins as serum markers; Roles of neurotrophins in ovarian physiology and their promotion of oocyte maturation; Health care disparities relating to IVF success; Impact of race and ethnicity on female reproductive aging; Impact of vitamin D on female reproduction.





Farinaz Seifi, MD FACOG Farinaz.seifi@yale.edu



Research: Laparoscopic-assisted TAP-block; Use of manipulator for endometrial cancer surgery and increased

use of adjuvant therapy; Surgical Findings and Outcomes in Premenopausal Breast Cancer Patients Undergoing Oophorectomy; Chronic pelvic pain management; Endometriosis

Assistant Professor (OB/GYN); Gynecology, Minimally Invasive Gynecologic Surgery

Clinical: Focus on minimally invasive surgery, Large fibroid uterus; DaVinci robot; Endometriosis; Complex gynecologic pelvic surgery

Emre Seli, MD emre.seli@yale.edu

Professor (OB/GYN) Reproductive Endocrinology & Infertility

Research: Translational regulation of gene expression during oocyte end early embryo development; Assessment of embryo viability in assisted reproductive technologies; Pathogenesis of endometriosis

Clinical: Oocyte donation and surrogacy; Infertility; IVF; Reproductive surgery; Advanced endoscopic surgery; Reproductive options for women with cancer; Endometriosis; Menstrual disorders; dysfunctional uterine bleeding; PCOS; Hirsutism; Recurrent pregnancy loss (1st trimester)



Anna Sfakianaki, MD, MPH anna.sfakianaki@vale.edu



Associate Professor (OB/GYN) Maternal-Fetal Medicine (& Comparative Medicine); Director of Gynecologic Ultrasound Program: Program for Biomedical Ethics; Prenatal Diagnostic Service; High-Risk Pregnancy Program; Maternal Special Care Unit; Family Planning

Clinical: Preterm birth prediction; Preterm birth prevention and treatment; Prenatal diagnosis; Family planning; Gynecologic ultrasound: Chromosome aberrations

> Sangini Sheth, MD, MPH sangini.sheth@yale.edu

Assistant Professor (OB/GYN) Division of Gynecologic Specialties; GTA Program Director; Residential College Associate Fellow in Faculty of Arts and Sciences; Center for Interdisciplinary Research on AIDS

Research: Reproductive health access and outcomes; HIV; HPV vaccine; Contraception utilization; Maternal morbidity and mortality; Adolescents; HPV vaccine utilization; Risk factors associated with pregnancies among women with perinatally acquired HIV

Clinical: Minimally invasive gynecologic procedures; laparoscopy; da Vinci robotic surgery; fibroid management; contraception; HIV gynecologic care; cervical cancer screening and prevention; adolescent health; obstetrics; multiple gestation pregnancy



Dan-Arin Silasi, MD dan-arin.silasi@yale.edu



Assistant Professor (OB/GYN); Gynecologic Oncology, Women's Reproductive Cancers Program; Ovarian Cancer Program, Early Detection; Discovery to Cure

Clinical: Gynecologic cancers (ovarian, uterine, cervical, vulvar, and vaginal cancers); Gestational trophoblastic neoplasia; Complicated laparoscopic surgery; Robotic surgery; Single-port laparoscopic surgery; Advanced and complicated pelvic surgery; Chemotherapy for gynecologic cancers

Research: Inhibition of BET Bromodomain Proteins with GS-5829 and GS-626510 in Uterine Serous Carcinoma; Impact of carboplatin hypersensitivity and desensitization on patients with recurrent ovarian cancer; Randomized Phase II Trial of Carboplatin-Paclitaxel Versus Carboplatin-Paclitaxel-Trastuzumab in Uterine Serous Carcinomas That Overexpress Human Epidermal Growth Factor Receptor 2/neu.

Michelle Silasi, MD michelle.silasi@yale.edu Assistant Professor (OB/GYN); Maternal-Fetal Medicine Clinical: High-risk maternity; Diabetes in pregnancy; Maternal medical complications of pregnancy Research: Mechanisms of preterm labor; Regulation of inflammatory molecules during pregnancy Mark Silvestri, MD, MHS, FACOG mark.silvestri@yale.edu Assistant Professor (OB/GYN); Division of Gynecologic Specialties; Medical Director of Quality and Operations at Cornell Scott Hill Health Center **Clinical:** Referral gynecology; abdominal, laparoscopic, and vaginal gynecologic surgery. Research: Strategies to reduce overutilization, promote transparency, and target resources where they are most needed. Nina Stachenfeld, PhD nina.stachenfeld@yale.edu Associate Professor (OB/GYN & Epidemiology - Environmental Health) Research: Environmental physiology; Reproductive hormone effects on temperature and body fluid regulation; Polycystic Ovary Syndrome (PCOS); Orthostatic tolerance; Blood pressure regulation; Environmental physiology; Estrogen and progesterone effects on orthostatic intolerance; Compromised microcirculation in women with PCOS Nancy Stanwood, MD, MPH, FACOG, FSFP nancy.stanwood@yale.edu Associate Professor (OB/GYN) Section Chief of Family Planning; Associate Clinical Professor (Nursing); Board Chair, Physicians for Reproductive Health **Research:** Contraceptive care and access; underuse of intrauterine devices and prevention of teen pregnancies Clinical: Family Planning; Long-acting reversible contraception (LARC, intrauterine devices, implants), Medically Complex Contraception; Teen Reproductive Health Reshef Tal, MD, PhD reshef.tal@yale.edu Assistant Professor (OB/GYN) Reproductive Endocrinology & Infertility Research: Endometrium; Embryo implantation; PCOS; Stem cells; Angiogenesis modulating agents; Regenerative medicine; Anti-Mullerian hormone **Clinical:** Infertility; In Vitro Fertilization (IVF); Implantation/endometrial receptivity; Endometriosis; Polycystic Ovarian Syndrome (PCOS); Recurrent pregnancy loss (1st trimester); Recurrent implantation failure

Hugh Taylor, MD hugh.taylor@yale.edu



Chair (OB/GYN); Anita O'Keeffe Young Professor; (OB/GYN) Reproductive Endocrinology & Infertility; Professor (Molecular, Cellular, and Developmental Biology); Chief, Obstetrics and Gynecology, Yale-New Haven Hospital

Research: Homeobox genes; Embryo implantation; Endometriosis; Stem cells; Menopause; uterine development; Endocrine disruption; Developmental programming

Clinical: Infertility; In Vitro Fertilization (IVF); Reproductive surgery; Congenital anomalies; Diethylstilbesterol (DES) exposure; Implantation/endometrial receptivity; Endometriosis; Menopause; Polycystic Ovarian Syndrome (PCOS); Recurrent pregnancy loss (1st trimester); Fibroids

	Ernest Topran, MD
Clinical Professor	ernest.topran@yale.edu r (OB/GYN) Obstetric Specialties & Midwifery at SRC
	cs; Menstrual dysfunction; Abnormal menstrual bleeding; Pelvic pain; Endometriosis
Chincal. Obsteti	
	Alla Vash-Margita, MD
	alla.vash-margita@yale.edu
	Assistant Professor (OB/GYN) Section Chief of Pediatric and Adolescent Gynecology
	Clinical : Abnormal vaginal bleeding; Contraceptive management for patients with complex medical histories; Fertility preservation for children, adolescents, and young women with cancer; Genital trauma; Gynecologic issues related to gender identity in teens; Menstrual irregularities in young women with physical and mental disabilities; Menstrual irregularities relating to thrombophilia and bleeding disorders; Obstructive anomalies of the female reproductive system; Ovarian cysts; Vulvar disorders; Female pelvic pain; Premature ovarian insufficiency; Primary and secondary amenorrhea; STIs in adolescents
childhood ovaria	Research: serum and saliva markers of endometriosis in adolescents, characteristics of PCOS in adolescents, n cancers, HPV vaccine and cervical cancer screening.
	<u>Regan Welsh, MD, MS, FACOG</u> regan.welsh@yale.edu
Assistant Profess	sor (OB/GYN) Obstetric Specialties & Midwifery at SRC
	ly invasive surgical techniques, including laparoscopic and hysteroscopic approaches; High tetrics; Adolescent gynecology; Menopause
	Shannon Whirledge, PhD, MSc shannon.whilrledge@yale.edu
Alles	Assistant Professor (OB/GYN)
	Research : Endocrinology; Female infertility; Leiomyoma; Molecular biology; Pregnancy complications; Reproductive medicine; Endocrine disruptors

Xiao Xu, PhD, MA xiao.xu@yale.edu

Assistant Professor (OB/GYN); Cancer Outcomes Public Policy and Effectiveness Research (COPPER) Center; Center for Outcomes Research & Evaluation (CORE)

Research: Health economics; Outcomes research; Cost effectiveness analysis; Women's health; Aging; Regional and hospital variation in costs of care; Cost-effectiveness of interventions in obstetrics and gynecology; Influence of medical malpractice environment on obstetric care; Impact of insurance on health care utilization and outcomes of care; Gender and racial/ethnic differences in health trajectories



Yang Yang-Hartwich, PhD yang.yang@yale.edu



Assistant Professor (OB/GYN)

Research: Ovarian cancer; mechanism of ovarian cancer initiation; Role of ovulation in ovarian cancer initiation; P53 mutation in ovarian cancer; New drugs for chemo-sensitization; Mechanisms of ovarian cancer metastasis; Kidney cancer; P53 function in renal cell carcinoma; Sarcomatoid renal cell carcinoma; Exercise Oncology: Effects of physical activity/exercise on cancer development and progression.

Leonard Zamore, MD leonard.zamore@yale.edu

Clinical Professor (OB/GYN) Division of Gynecologic Specialties

Clinical: Resident teaching in advanced operative surgical technique including operative hysteroscopy, laparoscopy, bladder suspension and vaginal graft placement; Laparoscopic surgery; Obstetrics; Infertility, Fibroids; Menopause, Urogynecology; General gynecology; Management and treatment of the herpes simplex virus; Diagnosis and treatment of osteoporosis in the post-menopausal women

Z. Ping Lin, PhD z.ping.lin@yale.edu



Research Scientist (OB/GYN); Gynecologic Oncology; Discovery to Cure Program

Research: BRCA mutations and homologous recombination repair defects in ovarian cancer therapy; Cancer stem cells and metastasis; Cell cycle regulation and DNA repair mechanisms; High-throughput screening and molecular modeling for drug discovery; PARP inhibitor resistance; Ribonucleotide reductase inhibition for ovarian cancer therapy