

TOPIC	GAP(S) IDENTIFIED	EDUCATIONAL NEED(S)
Andrology / Male Infertility	Sperm treatment prior to ICSI	Male factor contribution to ICSI failure
	Sperm handling prior to ICSI injection	Male factor contribution to ICSI failure
	ICSI outcomes based on sperm source	Male factor contribution to ICSI failure
	Models of male fertility treatment	Comprehensive approach to male infertility
	Significance of DNA fragmentation	Management of sperm DNA fragmentation
	Clinical significance of subclinical varicocele	Benefit of gonadotropin therapy in azoospermic men
	Genetic testing in NOA men	Clarification of genetic testing in obstructive vs NOA
	Effect of advanced paternal age on offspring	Role of genetic counseling in infertile men
	Idiopathic infertility	The role of male factor in idiopathic infertility
	When to order karyotype as diagnostic testing in infertile men	Appropriate tests for male infertility
	Indications for advanced sperm function testing; appropriate testing for RPL	The nature of the information obtained from sperm FISH testing
	The nature of azoospermia and its management	What types of azoospermia exist; what diagnostic and management options exist for these pts
	Methods of surgical sperm extraction; factors influencing IVF/ICSI success	Differences between testis and epididymal sperm
	Treatment for non-obstructive azoospermia	Treatment options for non-obstructive azoospermia
	Implications of globozoospermia	Clinical implications of globozoospermia and a DPY19L2 mutation
ART	Efficacy of mind/body programs in treating infertility	Education about role of mind/body programs in infertility treatment
	Reasons for lack of patient access to infertility care	Emphasis on access to infertility care
	Infections related to egg retrievals	Complications of IVF
	Efficacy of fresh vs. frozen transfers	Efficacy of fresh vs. frozen transfers
	Management of failed IVF cycle (wording of question confusing?)	Management of intramural myomas
	Management of medical error	Disclosing medical errors involving gametes and embryos
	Fresh vs. frozen oocytes fertility potential, more frozen oocyte outcome data available	Oocyte freezing fertility potential
	Different stimulation approaches for poor responders	Management of poor responders
	Endometriosis and impact on embryo and fetus	Endometriosis and impact on embryo and fetus
	ICSI rates	ICSI
	DNA fragmentation	DNA fragmentation
	Implications of incompetent cervix in ART	Recurrent pregnancy loss
	Multiple birth epidemic	Information on prevention of multiple births
ART Laboratory	Vitrification success	Information on the advantages of vitrification
	Vitrification success	Data from RCTs in vitrification studies
	Knowledge of oogenesis	Information on oogenesis

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	Embryo morphology	Information on relationship between ploidy and morphology
	PGS in practice	Benefits of PGS
	Gap in understanding and technical limitations of PGS test results.	Interpretation of PGS results and technical performance of procedure
Biology of Reproduction	Y-chromosome biology	Biology of genetics
	Queen ant differentiation	Genetic and environmental influences on queen ant development
	Animal model of hypospadias development	Basic science of hypospadias development
	Role of androgens in follicular atresia	Follicular atresia pathway elucidation
	Molecular mechanisms of embryo development	Clarification of molecular events that impact embryo development
Coding	CPT codes for pregnancy imaging	Coding
	ICD-10	ICD-10
	Embryology lab billing practices	Correct way to bill for embryo culture
	IVF clinic billing practices	Correct billing for egg donor and egg recipients
Contraception	Investigational male contraception options	Male contraception options
	Male contraception options	Contraception options and use
	Contraceptive effectiveness and efficacy	Contraceptive effectiveness and efficacy
	Access to emergency contraception	Access to contraceptive care
Ethics/ Legal	Hormone therapy in perimenopausal women	Information on risks/benefits of hormone therapy in perimenopausal women
	Family law regarding disputed disposition of frozen embryos	What is supposed to be done with embryos if the progenitors no longer have concordant wishes re: family building
	Family law regarding third party ART	What are the contractual obligations of a signed third-party ART agreement
	SART data monitoring and its implications	What are the negative implications of clinic data being published in SART
	Factors influencing ART insurance coverage	What are the implications of pursuing ART options with poor efficacy
Endometriosis	Reasons for failed IVF	Appropriate management for failed IVF cycles
Environmental	BPA exposure	Counseling about environmental exposures
	Preconception counseling about environmental exposures	Effects of environmental exposures
Fertility Preservation	Appropriate counseling of fertility preservation patient	Legal, medical, and psychosocial implications of fertility preservation
	Longevity of ovarian tissue transplants following reimplantation	Ovarian tissue freezing – efficacy of re-transplantation
	Ovarian reserve markers and prediction of fertility after cancer treatment. Definition of reproductive function.	Predicting fertility after cancer treatment
	Random start ovarian stimulation	Ovarian stimulation strategies for fertility preservation
	Conditions for spermatogonial stem cell transplantation	Fertility preservation in prepubertal boys
	Freezing strategies after ovarian stimulation for fertility preservation	Freezing strategies for fertility preservation

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	Efficacy of ovarian tissue transplantation	Efficacy of ovarian tissue transplantation
	Cancer and future fertility in men	Fertility and cancer in men
	Efficacy of oocyte cryopreservation for cancer patients	Update on efficacy of oocyte cryopreservation
Fibroids	Need for legal counseling related to fertility preservation	Legal counseling related to fertility preservation
	Imaging for leiomyosarcoma	Imaging strategies for uterine masses
	Suspicion of leiomyosarcoma	Leiomyosarcoma presentation
Genetics/PGD	Recognizing heritable conditions	When to refer to genetic specialist/ maternal-fetal medicine
	Difference in PGD vs PGS	Genetic and chromosomal testing of embryos
	PGS	Information on RCT outcomes and PGS
	PGS	Information on outcomes of PGS studies
	Benefit of PGD for the aging female	PGD for the aging female
	PGD for single embryo transfer	Utilization of PGD
	Interpretation of genetic mutations	Utilization of PGD
	Interpretation of genetic mutations	Utilization of PGD
	Interpretation of genetic mutations	Utilization of PGD
	Genetic counseling	When to refer the patient to a genetic counselor
	Basic science – genetics	Providing genetic data to patients
	Timeframe for PGS	Length of time for different PGS assays
	Outcomes of prenatal testing	Statistics on prenatal testing and outcomes
	Impact of male factor on early embryo development	Role of sperm in embryo competence
	The role of preconception carrier screening	Does preconception carrier screening guarantee a healthy baby? If not, what does it accomplish?
	The role of preimplantation genetic screening	Does PGS positively impact pregnancy rates; if so, for whom?
	Methodology of PGS	What does PGS entail; how is copy number determined?
	Reproductive biology/genetics	What are pi-RNAs?
	Mitochondrial DNA function	Information on mitochondrial disease and treatment
Imaging	Uterine anomalies	Information on treatment uterine anomalies
	Non-viable pregnancy detection	Information on early pregnancy milestones
	Early pregnancy ultrasound	Information on early pregnancy sonographic evaluation
	Suspicion of adenomyosis	Information on diagnosis of adenomyosis
Infertility	Medical therapy for chronic oligo-ovulation	Medical management of oligo-ovulation
	Management of cervical insufficiency in ART cycles	Role of elective single embryo transfer
	Diagnosis of isthmocele	Causes of chronic pelvic pain and heavy menstrual bleeding; evaluation and management of isthmocele
	Tests to evaluate amenorrhea	Evaluation of amenorrhea

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	Treatment of elevated TSH levels in infertility patients	Thyroid disorders in infertility
Menopause	Indications for menopausal hormone therapy	Updates on menopausal hormone therapy and current indications
PCOS/ Androgen Excess	Management of trigger for PCOS patients	Medical management for IVF cycles and prevention of OHSS in PCOS patients
	Ovulation induction in PCOS	Update in ovulation induction for women with PCOS
	Medical management of PCOS patients	Management of complex PCOS patients
Practice/ Risk Management/ Team-based Care	Recognition of factors important for employee training	Optimizing clinical practice efficiency
Pregnancy/ Pregnancy Loss	Identification of factors impacting mitochondrial donation	Education regarding mitochondrial donation
	Management of the male factor in couples with recurrent pregnancy loss	Male factor contribution to recurrent pregnancy loss
	Definition of recurrent pregnancy loss	Management of recurrent pregnancy loss
	Recognition of gender differences in grieving after pregnancy loss	Management of recurrent pregnancy loss
	Timing of recurrent miscarriage workup	Recurrent miscarriage and workup
	Diagnosis and management of cesarean scar ectopic pregnancy	Management of ectopic pregnancy
	IVF in management of recurrent miscarriage	Recurrent miscarriage management
Reproductive Surgery	Diagnosis of fibroid location	Surgical evaluation and approach to fibroids
	Cervical stenosis and risk of uterine perforation	Cervical stenosis
	Impact of hysteroscopic resection	Indications and outcomes of hysteroscopic resections
	Postoperative uterine adhesions	Complications of uterine septum resection
	Correct management of a uterine polyp identified midcycle	Management of uterine polyps in the infertile female
	Diagnosis and management of uterine masses	Benign fibroid disease vs. uterine malignancy
Technology	Regulations and governance of social media	Use of social media for clinical practice
	Self-evaluation	Information on self- evaluation
	Reference management systems use	Using reference management systems in practice
Other	Concepts about group thinking	Information on productive ways to work in groups
	Veterans' healthcare	Information on VA policies and offerings
Gap/Needs Submitted by Each Society		
SART	Persistent high twin rate with IVF Lack of knowledge of effects of IVF laboratory on embryo epigenetics	Methods to align the incentives of patients and doctors to transfer fewer embryos, with particular emphasis on single embryo transfer Review of clinical and laboratory studies related to epigenetics and IVF laboratory conditions

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	Influence of time-lapse photography, PGS, and embryo banking on total reproductive potential and cost-effectiveness	Objective review of all currently available data regarding time-lapse imaging
SRBT	Bioinformatics and a PGS platform PGS – impact of low level mosaicism DNA fragmentation studies Embryo abandonment Mitochondria testing	Unbiased review of techniques Unbiased review of data and clinical utility Unbiased review of data and clinical utility Interprofessional activity with the Legal Professional Group Unbiased review of current data and clinical utility
SREI	Ovulation induction Recurrent pregnancy loss Primary ovarian insufficiency Genetic counseling PCOS	Evidence-based education on these topics
SMRU	Male fertility evaluation in basic health and advanced fertility needs	Updates on these
SRS	Laparo-endoscopic management, resident education	Laparo-endoscopic management, resident education