TOPIC	GAP(S) IDENTIFIED	EDUCATIONAL NEED(S)
Access to care	Knowledge on how state laws and access to infertility care intersect and ways to influence/advocate for patients.	Provide education on how patients can access care and how state laws influence the ability to obtain said care.
	Skills for accessing and providing culturally appropriate care.	Training on skill development in providing culturally appropriate care.
	Reproductive rights	Discuss access to reproductive care disparities and landmark rulings that have shaped the current reproductive rights landscape.
	Legislative barriers to expanding insurance coverage.	Tools to stay aware of changes and effect change.
	Access to care for third world countries.	Education on improving access to fertility care in emerging countries.
Andrology / Male Infertility	In-depth workup and counseling of male partners with infertility.	Provide education on best practices for the in-depth workup and counseling of male partners with infertility.
	Optimizing IVF in the setting of severe male factor.	Educate on new and developing techniques to optimize sperm for ICSI.
	The role of nutrition and, specifically, antioxidants on male infertility.	Current knowledge on the role of nutrition and antioxidants on male infertility.
	Understanding effects of male age on outcomes.	Continued education on emerging evidence regarding paternal age.
	Advances in sperm testing.	Review of evidence on clinically used and novel tests to evaluate sperm quality including DNA fragmentation and genetic evaluation.
	Male infertility interventions.	Evidence based education on the outcomes of the different male infertility interventions.
	Testicular biopsy practices - clinical	Identification of REI and urology best practice integration, TESE outcomes and techniques, and frozen vs. fresh transfers.
	Testicular biopsy practices - laboratory	Identification of laboratory best practice to generate the best outcomes. Various techniques in handling tissues from PESA, TESE, etc. Cryostorage of testicular tissues.
	Male reproductive anatomy and physiology.	Education regarding male reproductive biology, current evaluation of male infertility, and treatment mechanisms in humans (not research or animal studies).

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	New technology in sperm selection.	New technologies in microfluidics, imaging,
		and other approaches to select top quality
		sperm for IVF and ICSI.
	Interactions between reproductive	Male fertility from viewpoints of REI and
	urologists and REIs.	Urologist. Best practice model between REI
		and Urologists.
ART	Continued updates for learners on the	SART reporting workshop for continued
	details and changes to SART reporting.	updates and learning regarding SART
		reporting.
	Knowledge of advances in reproductive	Knowledge on how immunology affects
	immunology and the effects on patient	patient outcomes in reproductive medicine.
	outcomes.	
	Limited tools for recurrent implantation	Educating on the role of empiric treatment in
	failure (RIF).	RIF.
	Tallule (KIF).	NIF.
	Constituted and private issues in 2rd party	Continuing advection on privacy and
	Genetic and privacy issues in 3 <sup>rd</sup> party	Continuing education on privacy and
	reproduction.	genetics.
	Ovarian tissue cryopreservation versus	Research data on the comparative efficacy
	oocyte cryopreservation in cancer	and safety of ovarian tissue cryopreservation
	patients.	versus oocyte cryopreservation.
	Mosaic embryos.	Discuss best practice on transfer or not to
		transfer mosaic embryos. Education on the
		techniques behind PGT and how mosaics are
		identified. Review the clinical implications of
		transferring mosaic embryos.
	Lack of knowledge of oncofertility	Training/education on fertility risks of
	treatments.	common cancer treatments.
		Evidence based best practices of stimulation
	Stimulation methods for oocyte and	•
	embryo cryopreservation.	protocols for oocyte and embryo
		cryopreservation.
ART Laboratory	Lack of knowledge on current FDA	Provide an update on the FDA and
	regulations and how to incorporate	incorporation of these tools to provide safe
	those into standard operating practices	patient care.
	to improve patient safety.	
	Cryostorage issues and ART.	Continuing education on foolproofing your
		cryogenic system, avoiding cryogenic
		mistakes/mishaps, quality control, and best
		hiring practices for embryologists.
	Consistency in the IVF lab.	Analyze the how and why of an
		embryology/andrology lab in terms of
		protocol, policies, QA/QC, personnel,
	Occurs from and thousing techniques	equipment, and justification for the above.
	Oocyte freezing and thawing techniques.	Review current protocols to determine best
		practice techniques of oocyte freezing and
		thawing to improve patient outcomes.

Lack of or standardized proficiency in	Hands on training to improve skills with ICSI
ICSI and embryo biopsy.	and embryo biopsy.
Factors associated with embryo	Education session on current evidence of
selection.	embryo selection issues and evidence-based
	algorithms on embryo selection to maximize
	patient outcomes.
Lab design, technology adoption, and	Discuss laboratory technologies and revise
implementation.	current protocols to best fit various settings
	and needs in the design of a laboratory.
	Identify key criteria to assess potential lab
	purchases. Financial stewardship.
Time-lapse imaging (TLI) and	Debate on new technologies and upcoming
morphokinetics.	new approaches to TLI.
Extended embryo culture: practical and	Review on current Day 0-7 embryo culture
experimental.	methodology, experimental technologies in
·	culturing embryos beyond Day 7, as well as
	technical and ethical concerns.
Artificial embryo	Derivation from extended cultured
	embryonic and extraembryonic structures, as
	well as stem cells. Future utilization in
	translational research, testing platform, and
	therapeutic applications.
Artificial gametes: female and male.	Derivation from embryonic and stem cell
general general and management	lineages. Current progress and future
	applications.
In vitro maturation of gametes.	Oocyte, sperm, various protocols and
and the state of t	applications, and feasibility for routine
	laboratory practice.
Total solutions in laboratory	Air quality, toxicity detection, internal and
environment control.	external environment of the ART laboratory,
	and implementing new design/improvement
	for the laboratory.
Humid versus dry incubators for embryo	Discuss pros and cons of those two major
culture.	incubator settings. How to optimize
	utilization of incubators in the ART
	laboratories.
Embryo development and pH.	Education on what we should target and how
, , , , , , , , , , , , , , , , , , , ,	do embryos respond to pH variations.
Embryo quality assessment.	Evaluate the current status of embryos, other
. , . , ,	than morphology and PGT, what tools do we
	use and are they reliable. Discuss how to
	reduce the number of embryos
	cryopreserved and genetically tested.
Laboratory risk and disaster	Review laboratory safety, monitoring and
management.	alarm systems, contingency plans, and
	patient material rescue to determine best
	practices. New developments and liability
	concerns.
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	Training new generations of clinical	Analyze the current status of educating staff,
	laboratory technologists.	paradigm shift, available educational tools,
		and new learning technologies and trends.
	Recruiting and cultivating future leaders	Develop strategies to increase pipeline of
	in the laboratory science.	laboratory professionals, and to cultivate
		junior staff with leadership skills.
	Laboratory staff wellness, professional	
		Evaluation of job security, financial stability,
	development, and staffing.	mental health, employee-employer
		relationship, continuous development, and
		mentoring mechanism to meet high
		complexity of today's laboratory tasks.
		Guideline development to meet the needs.
	Embryo abandonment and disposition.	Guideline review and development to ensure
	zmoryo azanaomiene ana aisposiciom	best practices can be followed by labs to
		ensure proper disposition of embryos.
	Changing landscape of laboratory	Evolving laboratory practice in franchised
	practice.	clinics, non-fertility specialty corporate
		management, etc.
	Communication between clinicians and	Discuss clinical regimens and laboratory
	the laboratory personnel.	strategies on treating various types of
	and taken after y personnen	patients.
	Laboratory quality management	
	Laboratory quality management.	Discuss concept of QC/QA, KPI, staff
		evaluation, and how to implement these into
		the lab in a practical way.
	Best practice in utilizing laboratory	Tools for tracking and improving
	quality improving tools.	performance, including key performance
		indicators (KPIs), checklists, root cause
		analysis, etc.
Biology of	Role of environment on reproduction.	Continued updates on outcomes related to
Reproduction	Note of environment on reproduction.	ART and environment.
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	Endometrial receptivity, including the	Present the current state of knowledge on
	interaction between implantation and	endometrial receptivity, how it affects
	placentation.	pregnancy outcomes and ways to improve
		those outcomes.
	Emerging technology in embryo	Applicable and experimental methods in
	implantation and uterine receptivity.	improving embryo implantation and embryo-
		uterine interaction. Using extended culture
		embryos and artificial embryos to study the
		, · · · · · · · · · · · · · · · · · · ·
		window of implantation.
	Inner cell mass (ICM) and	Review the mechanisms of differentiated ICM
	trophectoderm (TE).	and TE lineages, and to explore technologies
		to examine and potentially repair defects
		during embryo implantation and the earliest
		stage of pregnancy initiation.
	Tissue engineering and modeling in	Review and update research of engineering
	reproduction.	and modeling for use in reproduction.

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Cost Effectiveness	Measuring patient satisfaction outcomes.	Tools for gauging patient satisfaction.
	Cost of new technology.	Educate on financial barriers practices face when implementing new technology for best practice solutions. Evidence based best practices to overcome barriers.
Contraception	OCPs and their medical risks.	VTE and its prevention as it pertains to OCPs.
Counseling	How to learn mind-body techniques and incorporate them into routine patient care.	Setting up a mind-body program.
	Staff and provider training to improve empathy skills when interacting with patients.	Setting up a practice-wide training program on empathy.
	Counseling to support patients with complex diseases.	Counseling to support patients with POI, RPL, PCOS and infertility.
	Lack of knowledge on counseling of men with infertility.	Best practice of counseling men with infertility.
COVID-19	Knowledge and fertility treatment (surgical and medical) in the setting of the COVID pandemic.	Up to date information on surgical planning and infertility treatment given the COVID pandemic. Discuss current knowledge on the impact of vaccination on fertility and menstrual cycles.
	ART practice management in the COVID-19 pandemic: clinical and laboratory.	Examine effective laboratory practices, clinic practice management, and impact of COVID-19 on embryos or early pregnancy. Review guidelines, pathophysiology of disease, and risk assessment.
	Best laboratory practice during the time of COVID-19.	Emergency/short-term responses and long- term strategies to meet practical and financial challenges. Discuss how to prepare for future pandemics and disasters.
	Best practice in the post-COVID era.	How to safely operate the clinical practice and laboratory during and after COVID pandemic. Concerns and feasible approaches.
	Cross-border patient material transportation.	Handling and shipping patient materials among regions of different level of COVID transmission risk.
Early Human Development	Factors inherent to the fetus that impact recurrent pregnancy failure due to implantation.	Review current knowledge on early human development and its role in recurrent implantation failure.
Endometriosis	Management options for endometriosis in the setting of infertility.	Discussion regarding medical/surgical treatment for infertility patients. Best practices in endometriosis patients prior to IVF.

	Improving diagnosis of adenomyosis via	Improve knowledge of adenomyosis
	imaging techniques and evaluating the	diagnosis and treatment, specifically surgical
	evidence for medical and surgical	skills.
	techniques for treatment.	
Ethics/ Legal	Laboratory identification.	Educate on third- party witnessing software.
	Lack of knowledge in the ever-changing	Review legal aspects of care including
	legal climate as it relates to REI practice.	international families and cross-border
		reproductive care. Minimize/mitigate legal
		risk with regards to advanced technology.
	Communication with patients about	Discuss ethical issues and education of open
	ethical concerns of genetic alteration.	communication with patients and
		administration to address concerns regarding
		genetic alteration specifically.
	Embryo disposition and donation.	Education for staff, administration, and
		patients for donation of embryos to research
		versus destroyed. Explain ways to cope with
		moral and psychological aspects of our jobs.
	Research programs liability.	Discuss the liability of research programs
		with focus on IVF programs.
	Ethical perspectives of patients from	Examine and discuss the ethical perspectives
	different cultures.	of patients from different cultures in
		relationship to IVF.
	Gamete and embryo donation.	Analyze the implications of being a donor and
		a recipient. Describe how to maintain and
		preserve anonymity in an age of social media
		and technical piracy. State to state
		differences in gamete donation laws, legal
		pitfalls of gamete donation, and
		standardization of legal consents.
Fertility	Maintaining up to date knowledge on	Review current data on gamete vs. frozen
Preservation	advances in gamete preservation vs.	embryo preservation for patients with
	frozen embryo preservation for patients	decreased ovarian reserve.
	with decreased ovarian reserve.	
	Improvement in laparoscopic surgical	Review surgical techniques for laparoscopic
	skills for myomectomy.	myomectomy.
	Counseling and intervention.	Educate on ovarian auto transplant and
		cryopreservation counseling, latest
		techniques for ovarian freezing, "Back-to-
		back" tips and tricks, and transgender
		patients and their unique preservation needs.
		The state of the s
	Lack of knowledge on options for	Continuing education on fertility options for
	adolescents and children.	adolescents and children.

	Elective and encology preservation	
	Elective and oncology preservation.	Evidence based protocol selection and outcomes for elective and oncology patients.  Protocols for ovarian stimulation in the fertility preservation patient.
	Ovarian tissue preservation/uterine transplant.	Review the technical aspects of ovarian tissue preservation and uterine transplant.
	Sperm cryopreservation for male cancer patients.	Educate on the best methods of sperm retrieval in male cancer patients.
	International issues in fertility preservation including restrictions.	Knowledge and expertise on international issues in fertility preservations, including discussion of country-specific restrictions and resources to aid providers and patients in achieving desired care.
	Oocyte preservation skills and best practice.	Skill development forum on oocyte preservation skills and a review of guidelines and best practices.
Leiomyomas	Lack of knowledge of uterine leiomyomas and minimally invasive treatment options.	Educate on current surgical and non-surgical management of uterine fibroids in patients who desire fertility (immediate and future). Tips/tricks to move from abdominal myomectomy to minimally invasive myomectomy.
	Alternative techniques for myoma treatment.	Review alternative and novel treatments for leiomyomas.
	Impact of myoma treatment on future fertility based on location of fibroids.	Update knowledge on the impact of myoma treatment on future fertility.
Genetics/PGT	Mosaicism	Best practice on interpretation of mosaic results, counseling couples about transferring mosaic embryos, and what level mosaic to transfer.
	"Noninvasive" vs "minimally invasive" PGT	Educate on the nuances and differences between the noninvasive and minimally invasive, and when to use one over the other in the embryology lab.
	Communicating genetic information to patients.	Review tools for effective counseling.

Genetic counseling.	Course taught by Genetic Counselor focused on genetics of different infertility diagnoses, interventions through ART, and relationship of genetic factors to outcomes.
Lack of knowledge and best practice in utilizing non-invasive PGT.	Review of evidence on non-invasive genetic testing of embryos. Current progress, platforms, approaches (blastocoel sampling, spent medium, etc.), utilization, and timeframe for routine use.
Counseling to support patients with mosaicism embryos and sub chromosomal variations.	Discuss best practice on transfer or not to transfer mosaic embryos. Education on the techniques behind PGT and how mosaics are identified. Review the clinical implications of transferring mosaic embryos.
Gene editing to improve outcomes.	Provide learning opportunities on all aspects of PGT, including techniques, and clinical use of results. Provide comprehensive education on current state of gene editing and associated issues.
Genetic workup for patients.	Review of different genetic workups, practice patterns, and best practices. Develop protocols for patients that should or should not receive PGT-A testing.
Genetic mechanism in male and female gametes contributing to embryo aneuploidy and mosaicism.	Summarize common genetic conditions that have reproductive consequences for patients.
New technologies in PGT and moving forward.	Discuss history of PGT, review accuracy of platforms, discuss new generations of PGT method, and barriers of implementing those technologies.
PGT-A abnormal and mosaic embryos: lack of guidelines for the embryologists.	Review origins, detection, and communication on PGT-A of aneuploidy and mosaic embryos. Discuss issues in handling, transferring and discarding mosaic embryos. Consistency of data interpretation and reporting.

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	PGT-A technology information.	Course for MDs, nurses, and laboratory personnel to understand the key differences among various PGT technologies, as well as other ART-related genetic testing. Limitations of various platforms/methodologies.
	Impact of epigenetics on ART outcomes.	Review research on effect on the embryo and long-term offspring health. Discuss future applications.
	Time-lapse imaging (TLI) for aneuploidy.	Review data on TLI for aneuploidy interpretation.
	Communication on PGT-A mosaic embryo outcomes within the care team and with the patients.	Best approaches to discuss with clinicians and patients on mosaic embryos? Issues to consider before discarding mosaic embryos? How does the program interpret the data and report it, and does that make a difference in how we feel about discarding an embryo? How do we deal with this aspect of our jobs morally and psychologically?
	Good practice in embryo biopsy.	Guidelines in embryo biopsy and rebiopsy/vitrification for repeated PGT-A.
	Lack of knowledge in genetic stability regarding artificial embryos.	Genetic/epigenetic stability or instability in artificial embryos derived from embryonic structures or stem cells.
	Gene editing 101: what is available	Lecture on gene editing for clinicians, clinical laboratory, and other reproductive medicine professions.
	Non-invasive PGT reliability	Review of research on non-invasive genetic testing of embryos. Current approaches for testing (blastocoel sampling, spent medium, etc.).
Imaging	Use of 3D US and SIS.	Continued education on techniques and interpretation.
Infertility	CoVid and infertility	Educate on managing the potentially pregnant/expectant female patient in a CoVid era. CoVid protocols for your office/staff.

for gender non-conforming adolescents.  Gay men parenting.  Gay men parenting.  Transgender Couples  Transgender couples  Reproductive needs before and after gender affirming medical and surgical treatment.  Aging and infertility  Individualized, multidisciplinary treatment plans to improve future fertility.  PCOS/ Androgen Excess  Manifestations of PCOS in general health and infertility.  Gay men parenting.  Gay men parenting.  Gay men parenting.  Discuss counseling of gay men for parenthood and when to know they are ready, making a safe and gay-friendly office environment, legalities of gay parenting.  Teach proper language/pronouns and identifiers, nuances of transgender couples, hormonal management for gamete retrieval.  Continuing education regarding options and timing.  Continuing education regarding options and timing.  Multidisciplinary course on PCOS. Education regarding what resources are needed and how to implement a multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes  PCOS/ Androgen Excess  Manifestations of PCOS in general health and infertility.  Manifestations of PCOS in general health and infertility.  Multi-disciplinary approaches to PCOS.	Lesbian, Gay,	Lack of knowledge of current treatment	Review current knowledge on how to help
Transgender  Gay men parenting.  Gay men parenting.  Discuss counseling of gay men for parenthood and when to know they are ready, making a safe and gay-friendly office environment, legalities of gay parenting.  Transgender couples  Transgender couples  Reproductive needs before and after gender affirming medical and surgical treatment.  Aging and infertility  Diagnosis and patient counseling in primary ovarian insufficiency (POI) and genetics of aging.  Individualized, multidisciplinary treatment plans to improve future fertility.  Multidisciplinary course on PCOS. Education regarding what resources are needed and how to implement a multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes  PCOS/ Androgen Excess  Obesity and infertility  Manifestations of PCOS in general health and infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Navigating patient stress and anxiety.  Patient counseling during the COVID-19  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.	Bisexual, and	_	_ ·
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Menopause/   Ovarian   Aging and infertility   Diagnosis and patient counseling in primary ovarian insufficiency   PCOS   Individualized, multidisciplinary treatment plans to improve future fertility.   Multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes		1	
Ovarian insufficiency  Individualized, multidisciplinary treatment plans to improve future fertility.  Multidisciplinary course on PCOS. Education regarding what resources are needed and how to implement a multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes  PCOS/ Androgen Excess  Obesity and infertility  Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			timing.
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Individualized, multidisciplinary treatment plans to improve future fertility.  Multidisciplinary course on PCOS. Education regarding what resources are needed and how to implement a multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes  PCOS/ Androgen Excess  Obesity and infertility  Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face	Ovarian		ovarian insufficiency (POI) and genetics of
treatment plans to improve future fertility.  regarding what resources are needed and how to implement a multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes  COS/ Androgen Excess  Obesity and infertility  Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face	Insufficiency		aging.
fertility.  how to implement a multidisciplinary program for patients with PCOS, focused on long-term health and reproductive outcomes  COS/ Androgen Excess  Obesity and infertility  Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			Multidisciplinary course on PCOS. Education
PCOS/ Androgen Excess  Obesity and infertility  Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			regarding what resources are needed and
Dobesity and infertility   Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.    Manifestations of PCOS in general health and infertility.   Multi-disciplinary approaches to PCOS.		fertility.	how to implement a multidisciplinary
PCOS/ Androgen Excess  Obesity and infertility  Education on weight management and infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			program for patients with PCOS, focused on
infertility, weight loss counseling, diet and nutrition as they pertain to infertility, and the role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health Self-care for staff and practitioners during the pandemic.  Continuing education on counseling tools and information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19 Educate on how telehealth changed the face			long-term health and reproductive outcomes
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role of weight loss on meds and bariatric surgery to improve fertility.  Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face	Androgen Excess		infertility, weight loss counseling, diet and
Self-care for staff and practitioners during the pandemic.  Navigating patient stress and anxiety.  Self-care for staff and practitioners during the pandemic.  Self-care for staff and practitioners during the pandemic.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			nutrition as they pertain to infertility, and the
Manifestations of PCOS in general health and infertility.  Mental Health  Self-care for staff and practitioners during the pandemic.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			role of weight loss on meds and bariatric
health and infertility.  Self-care for staff and practitioners during the pandemic.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face			surgery to improve fertility.
during the pandemic.  Information regarding mental health resources.  Navigating patient stress and anxiety.  Educate on acupuncture and stress management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19  Educate on how telehealth changed the face		_	Multi-disciplinary approaches to PCOS.
management and counseling techniques to help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19 Educate on how telehealth changed the face	Mental Health	•	information regarding mental health
help patients cope with infertility related stress and anxiety.  Patient counseling during the COVID-19 Educate on how telehealth changed the face		Navigating patient stress and anxiety.	Educate on acupuncture and stress
Patient counseling during the COVID-19 Educate on how telehealth changed the face			management and counseling techniques to
Patient counseling during the COVID-19 Educate on how telehealth changed the face			help patients cope with infertility related
			stress and anxiety.
pandemic. of counseling during a pandemic. Will			Educate on how telehealth changed the face
		pandemic.	of counseling during a pandemic. Will

	beveraped by the Askin Continuing inc	telehealth continue for mental health
		professionals post pandemic?
		professionals post particernic:
Practice/ Risk	Administrative/leadership functions of	Develop best practices for educating
Management/	practice management.	clinicians on leadership management.
Team-based Care		amination of reducions management
	Tools for gathering patient experience	Provide education on tools needed for
	data (patient surveys, apps, hardware,	gathering patient experience data such as
	etc.)	patient survey instruments, apps, hardware
		and other resources.
	Clinical communication skills to enhance	Learn about ways to enhance the patient
	the patient experience in practice.	experience by teaching clinical
		communication skills.
	Skill development programs for	Learn about culturally appropriate care for
	providing culturally appropriate care for	patients of diverse backgrounds.
	patients of diverse backgrounds for	
	providers and staff. Staff retention issues.	Teach best approaches to promote Ideas to
	Stan retention issues.	boost staff morale and retain staff and
		patients.
		patients.
	Practice expansion.	Best practice as evidenced by staff retention
		during expansion and working within the
		confines of corporate structure (boards, HR,
		satisfaction metrics.
	EMR and record keeping.	Discuss best practice Interface between EMR
		and SART data.
	Meeting accreditation and certification	Lectures and workshops focusing on a holistic
	requirements: laboratory	strategy to meet requirements of CLIA, CAP,
		SART, etc, and manage inspections.
	Lack of knowledge and best practice in	Review available options and designs of EHR
	electronic health record (EHR) systems:	laboratory module. How to implement EHR in
	laboratory.	the laboratory.
	Lack of knowledge in non-conformance	Root cause of non-conformance. Methods to
	prevention: clinical and laboratory.	prevent errors (checklist, witness system, etc.).
	Coding for maximizing reimbursement.	Provide coding workshop and resources for
	Coung for maximizing reimbursement.	learners.
Pregnancy/	Recurrent pregnancy loss.	Continue education on endometritis
Pregnancy Loss		(diagnosis and management), and
		endometrial microbiome (what is it and how
		·
		do you manage patients).
Reproductive	Flexible hysteroscopy for evaluation of	Equipment considerations in office
Surgery	the infertile female.	hysteroscopy, financial reimbursement as

	Developed by the Askivi Continuing ivie	
	Minimally invasive reproductive surgery technique/skill set.	Hands-on course for laparoscopy and hysteroscopy (especially office hysteroscopy).
	Whether cesarean section scar isthmoceles need to be treated.	Surgical approaches to cesarean section scar separation (isthmocele) and when they are indicated.
	Effect of adenomyosis on fertility.	Overview of adenomyosis and its relationship to the biology of reproduction with a focus on current techniques for treatment (medical and surgical).
	Surgical management of Mullerian anomalies.	Preoperative preparation, imaging, and review of surgical treatment of anomalies.
	Surgical management of abnormal anatomy to improve outcomes.	Discussion on how to manage hydrosalpinges, endometriosis, septate uterus to improve outcomes. Discussion on IVF vs. reproductive surgery, and how they could integrate/augment each other. Review research studies on anomalies.
	How to maximize intraoperative surgical skills for the unexpected situation.	Review of ultrasound guidance, laparoscopic ultrasound use, treatment of cervical stenosis, cystoscopy, emergency management of surgical complications.
	Methods to optimize the difficult egg retrieval (abdominal) and embryo transfer.	Surgical application of abdominal egg retrieval and guidelines for embryo transfer technique (embryo transfer simulator handson)
	How to increase reproductive surgery training infrastructure in resource-poor areas of the globe	Provide strategies for providers in developed countries to assist in improving access to reproductive surgery in resource-poor areas of the globe
	Uterine transposition	Surgical techniques, indications, and pitfalls.
	Uterine transplantation	Techniques, indications, and viability.
Stem Cells	In vitro spermatogenesis	Teach techniques and feasibility.
	Therapeutic applications of stem cells in reproduction.	Review of current application of stem cell research as it applies to reproductive medicine and future application.
	Progress and outlook in utilizing artificial gametes and embryos.	Scientific studies on the current progress, limitations, ethical concerns, and potential

		timeline for utilization of artificial gametes and embryos.
	Stem cell research and gene editing.	Summarize research studies and issues associated with gene editing of stem cells.
	Stem cell 101.	Review of pathophysiology of stem cells, types of stem cell, and applications.
	New frontiers and next innovative disruption(s) in reproductive and regenerative technology.  Long-term preservation of stem cell for clinical use.	Discuss potential future innovative disruption(s) in reproductive and regenerative technology and impact on IVF.  Evaluating the efficacy of stem cell cryopreservation and storage relative to solution and container types used.
	Application of synthetic biology in reproductive medicine.	Using synthetic biology to regenerate and repair embryo, tissues and organs.
Technology	Automation, artificial intelligence (AI), and robotics in the laboratory.	Education on artificial intelligence systems and application for laboratory management and infertility treatment of patients.
	Artificial intelligence (AI) in ART.	Integration of technology and new office management tools to streamline and improve IVF. Application of AI in embryo selection and potential non-invasive PGT.
	Future of IVF and personalization of the process.	Refining the ovarian stimulation protocols and transfer protocols to allow for more personalization.
	Microfluidics and other technologies to improve gamete and embryo culture outcomes.	Utilize microfluidics and other technologies to fine tune gamete and embryo culture protocols, as well as in vitro maturation of gametes.
	Lack of knowledge in cybersecurity and safety of data storage.	Review information of clinical and laboratory data. Best practice in cybersecurity. hardware and software configurations for on-site and cloud-based solutions.
	Development of new technology.	Education on the process on new devices from development to FDA approval.
Miscellaneous	Impact of healthy diet, organic food, fat composition of food and lifestyle on the health of the patient, gametes and fertility outcomes	Education on healthy diet, organic food, fat composition of food and lifestyle on the health of the patient, gametes and fertility outcomes
	Inconsistency in orientation of REI personnel.	Develop bootcamps to educate staff in orientation and beyond to decrease turnover.