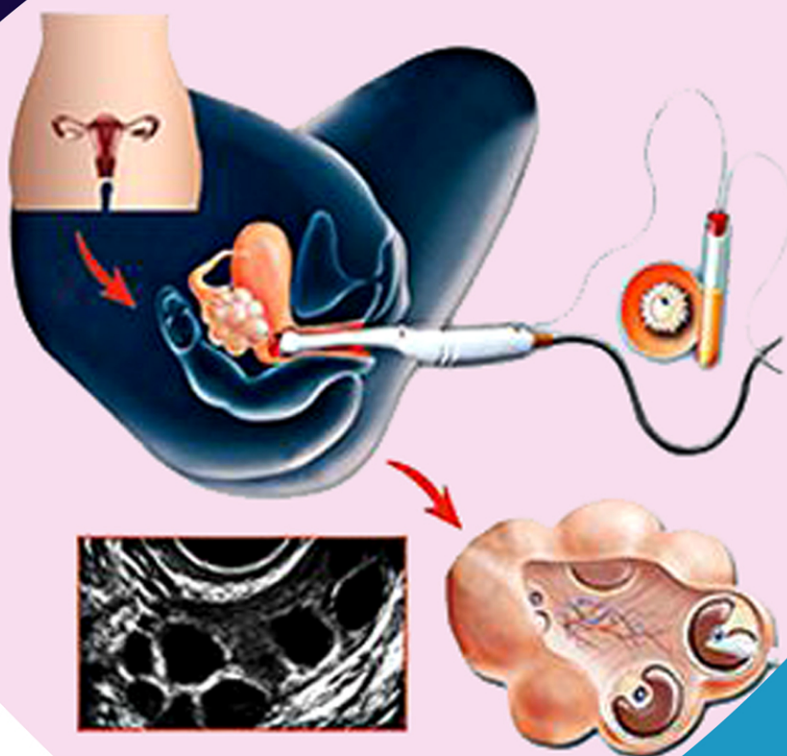




6th MSERM WORKSHOP

Virtual Event of the Moroccan society
of Endometriosis and Reproductive Medicine
Ultrasound-Guided Oocyte Pick-Up "OPU"



**Clinical & Biological
Aspects of Performing
an Efficient oocyte
Pick-Up "OPU"**

Save The Date :

09 October
2022

Organizing committee:

Prof. Sarah DAVID - UK

Dr. Mustafa ZAKARIA - MA



Official Sponsor

MERCK

www.msERM-congress.org

Description

Ultrasound-guided oocyte pick-up (OPU) is a well-established procedure during which ovarian follicles are aspirated with a needle connected to a suction pump. The suction pump creates negative pressure for aspirating the ovarian follicles.

An efficient aspiration pressure will maximize the oocyte recovery rate and reduce the risks of drastic temperature changes and mechanical stress to the oocyte. Therefore, it is important to notice that a higher aspiration pressure is not necessarily associated with any damage to the oocytes, especially if the flow rate is stable and has been set according to the needle size and the manufacturer's recommendations.

Target audience

Embryologists, clinicians, andrologists, and scientists working within reproductive medicine

Expected educational outcomes:

A stable flow rate should be maintained during the entire procedure, because changes can induce turbulence. If turbulent flow is present, the oocyte may be tossed around, which could result in the cumulus cells being stripped off or the cracking of the zona pellucida. An intact cumulus layer is an important factor contributing to the resistance of oocytes to mechanical damage. Provided the aspiration pressure is maintained constant, the fluid velocity is the same throughout the needle and tubing line, if their diameters are also constant. Any diameter changes in the aspiration system (at the needle or in tubing line) will lead to sudden changes in flow rate, creating unwanted pressure changes and the presence of turbulent flow leading to mechanical stress of the oocyte.

In conclusion, some of the most important practical considerations for an efficient and successful egg retrieval are:

Setting the right aspiration pressure depending on the thickness of the utilized needle (gauge). Applying continuous vacuum suction before penetrating the follicle. Maintaining a stable pressure throughout the entire procedure. Avoiding applying negative aspiration pressure when withdrawing the needle from the follicle.

Educational methods

Lectures
Discussions

Certificate of attendance:

Participants can obtain a certificate of attendance after completing the workshop evaluation. After the course, MSERM will send an e-mail with the link and more information.

Practicalities:

The official language of the workshop is English. This workshop has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME)

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MSERM Founders

Prof. Yacoub KHALAF - UK

Honor President of the MSERM



Prof. Eman EIGENDY- Egypt

Chair of Scientific Committee of MSERM



Dr. Mohammed ZARQAOUI - MA

President of The MSERM



Prof. Sarah DIVAD - UK

Secretary General of the MSERM



Dr. Mohammed ACHOUR - MA

Vice President of the MSERM



Prof. Abdelhafid NATIQ - MA

Vice Secretary General of MSERM



Dr. Mustafa ZAKARIA - MA

Chairman Executive of MSERM



Mrs. Asmaa NAJI - MA

Treasurer of the MSERM



Dr. Wassym SENHAJI - MA

Vice Chairman Executive of MSERM



Dr. Yasmine LOUANJLI - MA

Vice Treasurer of the MSERM



Dr. Noureddine LOUANJLI - MA

Vice Chair of Scientific Committee of MSERM



Moroccan Society
for Endometriosis
and Reproductive
Medicine
SCIENTIFIC RESEARCH

Interest Groups

Browse Special Interest our Groups

The Society is subdivided into different Special Interest Groups (SIG's) that reflect the scientific interests of its membership. Each Special Interest Group is headed by a Coordinator whose task it is to stimulate scientific activities for his/her sub-speciality. Presently there are 6 Special Interest Groups:

Group "SIG-EED" Endometriosis and Endometrial Disorders



Special Interest Group for Endometriosis & Endometrial Disorders (SIG-EED) of the Moroccan Society for Endometriosis and Reproductive Medicine (MSERM). Here you can read more about us, our activities and our recommended reading.

Group "SIG-RS" Reproductive Surgery



SIG-S Reproductive Surgery is concerned to promote the usefulness of minimal invasive diagnostic tools in reproductive gynecology as well as to promote the surgical therapy of organic causes (such as malformations, polyps, endometriosis, adenomyosis, fibroids, hydrosalpinges...) leading to infertility, by appropriate "preservation" and/or as first step of treatment of infertile couples in order to re-establish fertility or create the best conditions to improve ART outcome.

Group "A" Andrology



The specific interests of the SIG Andrology are: male infertility evaluation and diagnosis; sperm function, physiology and biology; sperm freezing and banking, male prognostic biomarkers of success in ART; enhancement of reproductive outcomes acting on the male and/or the sperm; male infertility and the effects of ART to treat them in the offspring.

Group "SIG-RG" Reproductive Genetics



Special Interest Group Reproductive Genetics SIG-G. Here you can read more about us, our activities and our recommended reading.

Group "E" Embryology



The SIG Embryology is home to the central scientific concepts upon which MSERM is founded. The broad scope of SIG-E Embryology encompasses basic scientific advances through to laboratory practices and policy influence. The areas of interest of SIG-E include oocyte growth and maturation, in vitro models of follicle culture, fertilization, embryo development, embryo metabolism, embryo culture, oocyte and embryo micromanipulation, embryo assessment, oocyte and embryo cryopreservation as well as quality control and optimization of methods in the embryology laboratory.

Group "SIG-SQ-ART" Safety and Quality in ART



SQART is committed to quality of care and safety of patients. We continuously strive to improve care, decrease errors and meet patients' expectations by providing educational programs to support assisted reproduction practitioners in developing and sustaining top quality fertility care. SQART is tasked with improving fertility care worldwide, defining quality healthcare as doing the right thing at the right time in the right way to achieve the best possible outcome

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Sessions Chairs

Dr. Steven Fleming - Australia

Session Chair



Session 1: An Inside View of the Best IVF Lab Practices
and 3 Minute IVF Lab Tour; From the USA 09:40 – 11:20

Prof. Aboubakr Elnashar- Egypt

Session Chair



Session 2: Starting a New Laboratory
and Training Protocols. 11:20 – 13:00

Prof. Eman Elgindy - Egypt

Session Chair



Session 3: Competency Assessment in
Oocyte Pick-up 13:00 – 14:40

Dr. Wassym Senhaji - Morocco

Session Chair



Session 4: Progression in Clinical Cases 15:00 – 16:40

Prof, Ilham RATBI - Morocco

Session Chair



Session 5: Cryopreservation of Oocyte for IVF 16:40 – 18:20

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Our Speakers



Dr. Paul Yong, Canada
Associate Professor
University of British Columbia
Speaker



Dr. Arne Vanhie - Belgium
Leuven University,
Belgium
Speaker



Prof. Horace Roman - France
Centre d'endométriose
Aarhus University Hospital
Speaker



Dr. Dingmin Yan, China
Fudan University, China
Speaker



Dr. Mohammed ZARQAUI - Morocco
Endoscopic surgeon & Gynecologist
President of the MSERM
Speaker



Prof. Andrew Horne, UK
University of Edinburgh,
United Kingdom
Speaker



Dr. Laura Benaglia, Italy
Ospedale Maggiore Policlinico, Italy
Speaker



Prof. Louise Hull, Australia
The University of Adelaide
Speaker



Dr. David Mortimer, Canada
President and co-owner
of Oozoa Biomedical
Speaker



Dr. Noureddine LOUANJLI-Morocco
Senior Clinical Embryology
Vice Chair of Scientific Committee MSERM
Speaker



Dr. Ashish R. Kale - India
Gynecologist, Gynecologic Oncologist
and Urogynecologist
Speaker



Prof. Neil Johnson, New Zealand
WES President
Speaker



Prof. Axel Forman, Denmark
Aarhus University Hospital
Speaker



Prof. Ludwig Kiesel, Germany
University Hospital of Münster
Speaker



Dr. Leslie Farland, USA
Associate Professor
University of Arizona
Speaker



Dr. Yasushi Hirota, Japan
Clinical Gynecology:
Endometriosis/Adenomyosis
Speaker



Prof. Susan Davis, Australia
National Health and Medical
Research Council of Australia
Speaker



Prof. Siobhan Quenby, UK
Professor of Obstetrics
at the University of Warwick
Speaker



Prof. Marie M. Dolmans, Belgium
HEAD OF CLINIC SAINT-LUC
Speaker



Prof. Antonio La Marca, Italy
Professor of Obstetrics and
Gynaecology at the University of Modena
Speaker



Dr. Jeremy Chang, Canada
Obstetrician and gynecologist at
Orange County OBGYN
Speaker



Dr. Ana Cobo, Spain
Director of the Cryobiology
Unit in the IVF lab at IVI Valencia
Speaker



Dr. Mustafa ZAKARIA - Morocco
MD, Clinical Embryology Chairman of
the Executive Committee of the MSERM
Speaker



Prof. Anja Pinborg, Denmark
Copenhagen University, Hvidovre
Hospital Denmark
Speaker



Dr. Evelyn Telfer, UK
Reproductive Biologist and
Professor at the University of Edinburgh
Speaker

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PROGRAMME

DAY 1 Sunday - 09 October 2022

Welcome Speech of the MSERM President : Dr. Mohammad Zarqaoui 09:30 - 09:40

Session 1: Oocyte Pickup for IVF 09:40 - 11:20

Session Chair Dr. Steven Fleming (Australia)

Time	Lecture	Speaker
09:40 - 10:00	Relationship between follicle size after FSH treatment and efficiency of oocyte recovery	Horace Roman - Denmark
10:00 - 10:20	Recovery Efficiency of Cumulus Oocyte Complexes (COCs)	Dingmin Yan - China
10:20 - 10:40	Transvaginal Ultrasound-guided Ovum Pick-up(OPU)	Paul Yong - Canada
10:40 - 11:00	History of aspiration pressures	Mohamed Zarqaoui- Morocco
11:00 - 11:20	Oocyte Quality, IVF, and Embryo Development of Alpaca Oocytes Collected by Ultrasound-Guided Follicular Aspiration or from Slaughterhouse Ovaries	Arne Vanhie - Belgium

Session 2: Starting a New Laboratory and Training Protocols. 11:20 - 13:00

Session Chair Prof. Aboubakr Elnashar (Egypt)

Time	Lecture	Speaker
11:20 - 11:40	Oocyte quality following in vitro follicle developments.	Andrew Horne - UK
11:40 - 12:00	Effect of aspiration pressure during oocyte harvesting on oocyte recovery and in vitro development of ovine oocytes	Laura Benaglia - Italy
12:00 - 12:20	Follicular flushing during oocyte retrieval in assisted reproductive techniques (ART)	Noureddine Louanjli - Morocco
12:20 - 12:40	Follicular flushing increases the number of oocytes retrieved in poor ovarian responders undergoing IVF	Louise Hull - Australia
12:40 - 13:00	Oocyte Source and Hormonal Stimulation for In Vitro Fertilization Using Sexed Spermatozoa	David Mortimer - Canada

DAY 1

Sunday - 09 October 2022

Session 3: Competency Assessment in Oocyte Pick-up 13:00 - 14:40

Session Chair Prof. Eman Elgindy (Egypt)

Time	Lecture	Speaker
13:00 - 13:20	Difficulties in OPU and different clinical scenarios OPU	Ashish Kale - India
13:20 - 13:40	Obesity and oocyte quality: significant implications for ART and emerging mechanistic insights	Axel Forman - Denmark
13:40 - 14:00	Age-associated changes in cumulus cells and follicular fluid : the local oocyte microenvironment as a determinant of gamete quality	Ludwig Kiesel - Germany
14:00 - 14:20	Causes and Effects of Oocyte Retrieval Difficulties	Dr. Leslie Farland - USA
14:20 - 14:40	Oocyte in vitro maturation: A systematic review.	Neil Johnson - New Zealand

14:40 - 15:00 Coffee Break

Session 4: Progression in Clinical Cases 15:00 - 16:40

Session Chair Dr. Wassym Senhaji, (Morocco)

Time	Lecture	Speaker
15:00 - 15:20	Follicle super stimulation before ovum pick-up for in vitro embryo productions.	Yasushi Hirota - Japan
15:20 - 15:40	Oocyte mitochondria-key regulators of oocyte function and potential therapeutic targets for improving fertility	Antonio La Marca - Italy
15:40 - 16:00	Robotic Micropipette Aspiration for Multiple Cells	Susan Davis - Australia
16:00 - 16:20	Recommendations for Good Practice in ultrasound: Efficient Oocyte Pick Up	Siobhan Quenby - UK
16:20 - 16:40	Design of novel oocyte activation methods : the role of zinc	Marie-M. Dolmans - Belgium

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DAY 1

◀ *Sunday - 09 October 2022*

◀ **Session 5: Cryopreservation of Oocyte for IVF 16:40 - 18:20**

▶ **Session Chair Dr. Ilham RATBI, (Morocco)**

Time	Lecture	Speaker
16:40 - 17:00	The effects of Vitrification on oocyte quality	Evelyn Telfer - UK
17:00 - 17:20	Principles of Cryopreservation and Optimization of Vitrification	Jeremy Chang - Canada
17:20 - 17:40	Cryopreservation of Oocyte for IVF : Does freezing eggs increase the success of IVF?	Mustafa Zakaria - Morocco
17:40 - 18:00	The state of ART in Vitrification: the best technical approaches and outcomes	Ana Cobo - Spain
18:00 - 18:20	Health of offspring following "frozen" embryo transfer	Anja Pinborg - Denmark

18:20 - 19:20 Discussion

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MSERM Virtual Congress

3rd Annual MSERM World Meeting



Thank You

**Save The Date 17-19 Nov 2023. 3rd Annual MSERM
Worldwide Online Meeting**

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