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| **Invitation** |

Dear Colleagues and Friends,

On behalf of the Organizing and Scientific committee it is with great pleasure that I invite you to the **5th SSRHR meeting**, to be held on **8-10 October 2021**, at the **Aquila Atlantis Hotel** in Heraklion, Crete.

This year’s main topic is **“Recent Advances in Reproduction”** and for the 5th consecutive year, we have been working hard to bring together an exceptional scientific program, presenting all recent developments on diagnosis, best practice and research of Human Reproduction.

Taking into consideration the ongoing effect of the COVID 19 in our lives, it is clear that we need to be creative and flexible; therefore the **5th SSRHR meeting** will be delivered as a hybrid event, with both face-to-face and online components, giving participants a greater flexibility to attend.

I trust that many of you will be able to travel to Heraklion, but for those unable to make it in person, we want to offer you the chance to attend the sessions and interact online, through the meeting’s digital platform.

With the hope that we will see each other in good health in October for another successful meeting!

***Professor Antonis Makrigiannakis, MD, PHD******Meeting Chairman***

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| **Committees** |

**Meeting Chairman**: Antonis Makrigiannakis

**Organising Committee**Antonis Makrigiannakis

Marianna Eustratiadou

Ιoannis Kokolakis

Dimitrios Koutroulakis

Georgios Manidakis

Nikolaos Martavantzis  
Ioannis Messinis

Vasilis G. Mytaras

Artemis Pontikaki

Maria Rassidaki

Elpida Vardaki  
Thomas Vrekoussis

**Scientific Committee**

Petros Drakakis

Timur Gurgan

Sofia Kalantaridou

Dimitris Loutradis  
Antonis Makrigiannakis  
Ιoannis Messinis

Tatjana Motrenko Simic

Hassan Sallam

***Friday 8 October 2021***

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|  | **HALL A** |
| **12:30-13:30** | **REGISTRATIONS** |
| **13:30-16:00** | **Oral Presentations I**  Chairs:***Marinos Nikolaou, Artemis Pontikaki***  **OP01.** The expression of Galectin-3 in endometrial cancer: a systematic review of the literature  **Adamantia Kontogeorgi**, Ioannis Boutas,Antonios Makrigiannakis,Sophia N Kalantaridou  **OP02.** Histological liver alterations and correlation with calprotectin level in an animal experimental model treated with anastrazole and letrozole.  Ioannis Boutas, Adamantia Kontogeorgi, Panagiotis Krokos, Pantelis Messaropoulos, Spyridoula Neofytou, Georgios - Konstantinos Papaioannou, Despina Perrea, Antonios Makrigiannakis, Sophia N.Kalantaridou  **OP03.** Management of fetal lymphangioma in pregnancy  Georgios Konstantinos Papaioannou, Nikolaos Evangelinakis, Panagiotis Krokos, Ioannis Boutas, Ilianna Terzopoulou, Sophia N. Kalantaridou  **OP04.** A pilot study evaluating vaginal photobiomodulation therapy for the management of the genitourinary syndrome of menopause.  **Panagiotis Krokos,** H Gartzouni, K Valamvanos, Ioannis Boutas, N Margari, M Karalexi, Antonios Makrigiannakis , Sophia N.Kalantaridou  **OP05.** Endoscopic laser in complicated monochorionic twins at Attikon hospital, 5 years experience  Georgios - Konstantinos Papaioannou, Nikolaos Evangelinakis, Charikleia Papageorgiou, Panagiotis Krokos, Aris Vogiatzis, Nikolaos Papantoniou, Sophia N. Kalantaridou  **OP06.** Thoraco-amniotic shunting for fetal hydrothorax and cystic lung tumors  Georgios-Konstantinos Papaioannou, Nikolaos Evangelinakis, Aris Vogiatzis, Ilianna Terzopoulou, Ioannis Boutas, Nikolaos Papantoniou, Sophia N. Kalantaridou  **OP07.** Diagnosis of premature ovarian insufficiency, stress and depression  **Spyridoula Neofytou**, Siafaka V, Pantelis Messaropoulos, Karalexi MA, Minas Paschopoulos, Georgios P. Chrousos, Sophia N Kalantaridou  **OP08.** Spontaneous pregnancies in women with premature ovarian insufficiency: our experience  Kyriaki Migklis, Pantelis Messaropoulos, Spyridoula Neofytou, Georgios - Konstantinos Papaioannou, Haris Papageorgiou, Christos Koratzanis, Sophia N. Kalantaridou  **OP09.** The role of uterine microbiome in human reproduction. A case series study  Emmanouil Ierapetritis, Ioannis Gianiatsos, Alexandros Zervakis, Ioannis Saitis, Ioannis Giakoumakis, Diamantis Daphnys, Konstantinos Ntzelepis, Theodoros Katasos, Marinos Nikolaou  **OP10.** Takayasu arteritis in pregnancy: a case report  Christina Pagkaki, Artemis Pontikaki, Marianna Eystratiadou, Georgios Lamprakis, Antonios Makrygiannakis  **OP11.** Peritoneal endometrioma : a case report  Paraskevas Anagnostopoulos, Despoina Costa, Petros Kontezakis, Alexandros Velegrakis, Maria Rasidaki, Thomas Vrekoussis, Antonis Makrigiannakis  **OP12.** False positive serology in pregnant woman with Crohn's disease  Stefania Patramani, Athanasios Petroulakis, Georgios Stratoudakis, Gaetano Archontakis, Maria Papastamatiou, Despoina Kyriakaki, Hannah Ebrahim, Georgios Daskalakis  **OP13.** Adult granulosa cell tumor arising in an ovary with mature cystic teratoma  Despina Kyriakaki, George Stratoudakis, Athanasios Petroulakis, Gaetano Arhontakis, Stefania Patramani, Hanna Ebrahim, George Daskalakis  OP14. Covid-19 cases and birth data in our department  Petros Kontezakis  OP15. HYFOSY Tubal Flushing  Amalia Savvidi |
| **16:00-17:30** | **Session I: Current aspects in PCOS**  Chairs: ***Georgios Adonakis - Sofia Kalantaridou***   * Does metformin or any other intervention prevent spontaneous abortion in PCOS?   ***Sofia Kalantaridou***   * Lifelong impact for PCOS   ***Georgios Adonakis***   * IVF in PCOS: Is it an easy or difficult decision?   ***Lucas D. Klentzeris***  Comments: ***Konstantinos Dafopoulos*** |
| **17:30-19:00** | **Session II: How to increase Success before IVF**  Chair: ***Petros Drakakis, Nikolaos Nikolettos***   * Lifestyle effects in A.R.T.   ***Konstantinos Zikopoulos***   * BMI and A.R.T. Should be corrected?   ***Dimitrios Goulis***   * Should we check for thrombophilia before IVF?   ***Petros Drakakis***  *Comments:* ***Sofia Kalantaridou*** |
| **19:00 – 19:30** | **Keynote Lecture**  Chair: ***Antonis Makrigiannakis***  Current Status of A.R.T.  ***Tatjana Motrenko Simic*** |
| **20:00** | **Opening Ceremony** |

***Saturday 09 October 2021***

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|  | **HALL A** |
| **08:00 - 09:00** | **Oral Presentations II**  Chairs:***Thomas Vrekoussis***  **OP16.** Management of a twin pregnancy with a complete mole co – existing with a normal fetus  Georgios-Konstantinos Papaioannou, Charikleia Papageorgiou, Nikolaos Evangelinakis, **Kyriaki Mygklis**, K Kyriakidou, Sophia N. Kalantaridou  **OP17.** Interstitial laser applications in complicated monochorionic twins at Attikon hospital, 5 years experience  **Georgios-Konstantinos Papaioannou**, Nikolaos Evangelinakis, Panagiotis Krokos, Adamantia Kontogeorgi, Nikolaos Papantoniou, Sophia N. Kalantaridou  **OP18.** Giant ovarian mucinous cystadenoma with borderline areas: a case report  **Ioannis Kokolakis**, Georgios Andreadakis, Christos Psycharakis, Eleftherios Ziogos, Vasileios Mytaras, Antonios Makrigiannakis  **OP19.** Lymphoma relapse at the cervix uteri: a case presentation  **Fanourios Makrygiannakis**, Athanasios Petroulakis, Marianna Efstratiadou, Eirini Xylouri, Maria Psylaki, Antonios Makrigiannakis, Thomas Vrekoussis  **OP20.** Singleton pregnancy outcome in women after emergency cerclage  George Stratoudakis, **Athanasios Petroulakis**, Hanna Ebrahim, Gaetano Arhontakis, Despina Kyriakaki, Stefania Patramani, George Daskalakis |
| **09:00 -10:30** | **Session III: Can surgery improve pregnancy: Results in infertility treatment**  Chairs: ***Grigorios Grimbizis, Georgios Pados***   * Can laparoscopic surgery improve pregnancy results?   ***Georgios Pados***   * *Can hysteroscopic surgery improve pregnancy results?*   ***Minas Paschopoulos***   * Hydrosalpinx-the role of tubal surgery in the era of A.R.T.   ***Marinos Nikolaou***  Comments: ***Nikolaos Vlachos*** |
| **10:30 -11:00** | **Coffee break** |
| **11:00 - 12:30** | **Session IV: Endometrium and A.R.T.**  Chairs: ***Nikolaos Vlachos, Vasilios Tarlantzis***   * Window of implantation and its disturbances   ***Georgios Nikas***   * Treatment of thin endometrium   ***Evangelos Makrakis***   * Manipulating the endometrium: can reccurent implantation failure be managed by the use of novel research therapies?   ***Antonis Makrigiannakis***  Comments: ***Lucas D. Klentzeris, Dimitrios Loutradis*** |
| **12:30-13:30** | **Satellite Symposium - *Leaving behind the gonadotrophins’ debate: The expert’s view***  Chair: ***Konstantinos Kostaras***  The role of uterine contractility in embryo implantation: novel approaches in diagnosis  ***Nikolaos Christoforidis***  ***Sponsored by FERRING*** |
| **13:30 – 14:00** | **Satellite Lecture I**  Chair: ***Georgios Ioannidis***  The modern therapeutic approach to IVF for optimal results  ***Konstantinos Sfakianoudis***  ***Sponsored by MERCK*** |
| **14:00 – 15:00** | **Light break** |

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| **15:00 - 16:30** | **Session V: Ovarian stimulation in poor responders**  Chairs: ***Dimitrios Loutradis, Georgios Adonakis***   * Dual ovarian stimulation for poor prognosis patients   ***Nikolaos Nikolettos***   * Parmacogenomics in COS: Control on Ovarian Stimulation   ***Dimitrios Loutradis***   * Ovarian Stimulation in elective freezing   ***Ioannis Messinis***  Comments: ***Vasilios Tarlantzis*** |
| **16:30 – 17:00** | **Coffee break** |
| **17:00-18:30** | **Session VI: Endometriosis: UPdate** Chairs: ***Minas Paschopoulos, Konstantinos Zikopoulos***   * The impact of ovarian hyper stimulation on endometriosis progression   ***Konstantinos Dafopoulos***   * Endometrioma Surgery: Impact on A.RT.   ***Grigorios Grimbizis***   * Fertility preservation in women with Endometriosis   ***Nikolaos Vlachos***  Comments: ***Georgios Pados*** |
| **18:30 – 19:00** | **Satellite Lecture II**  *Chair:* ***Konstantinos Kostaras***   * *Vaginal Progesterone: Doctor choice in IVF.* * *Fertility Preservation / i sosti stigmi*   ***Georgios Kontopoulos***  Comments:  ***Vasilios Tarlantzis***  ***Sponsored by Fertilland*** |
| **19:00-20:00** | **MSRM Session**  Chair: ***Antonis Makrigiannakis***  New ESHRE Clinic KPI-Maribor consensus  ***Tatjana Motrenko Simic***  Comparison of Histone H3K4me3 between IVF and ICSI Technologies and between boy and girl offspring  ***Udo Jesche*** |

***Sunday 10 October 2021***

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|  | **HALL A** |
| **08:00 – 09:00** | **Oral Presentations III**  Chairs*:* ***Thomas Vrekoussis, Marinos Nikolaou***  **OP21.** Management of placental chorioangiomas in pregnancy  Georgios-Konstantinos Papaioannou, Nikolaos Evangelinakis, **Panagiotis Krokos**, Ilianna Tzamourani, Nikolaos Papantoniou, Sophia N. Kalantaridou  **OP22.** Vesico - amniotic shunting for fetal megacystis  Georgios-Konstantinos Papaioannou, Nikolaos Evangelinakis, Panagiotis Krokos, **Christiana Tzamourani**, Adamantia Kontogeorgi, Nikolaos Papantoniou, Sophia N. Kalantaridou  **OP23.** Stromal cell function and aging of the human endometrium  **Aikaterini Berdiaki**, Sophia Zafeiropoulou, Fanourios Makrigiannakis, Panagiotis Drakopoulos, Antonios Makrigiannakis  **OP24.** Changes in the expression of key regulators of endometrial cell receptivity within creasing age  **Fanourios Makrigiannakis**, Aikaterini Berdiaki, Thomas Vrekousis, Antonios Makrigiannakis  **OP25.** Sperm DNA fragmentation and endometrial microbiota. Is there a link in couples with early pregnancy loss and/or infertility?  **Pantelis Messaropoulos**, S Mitrou,Georgios - Konstantinos Papaioannou, Ioannis Boutas, Spyridoula Neofytou, Antonios Makrigiannakis, Sophia N.Kalantaridou |
| **09:00- 11:00** | **Session VII: Freeze oocyte - embryos**  Chairs**: *Dimitrios Loutradis, Alexandros Daponte***   * Do freeze all protocols increase success in IVF?   ***Vasilios Tarlantzis***   * How to prepare the endometrium for frozen embryos embryo transfer?   ***Efstratios Kolibianakis***   * Problems in pregnancy after transfer of frozen embryos   ***Antonis Makrigiannakis***  Comments: ***Ioannis Messinis, Minas Mastrominas*** |
| **11:00 - 11:30** | **Coffee break** |
| **11:30 - 13:00** | **Session VIII: Fertility Preservation**  Chairs: ***Alexandros Daponte, Ioannis Giakoumakis***   * Social freezing   ***Minas Mastrominas***   * Fertility preservation for cancer patients   ***Alexandros Rodolakis***   * *Fertility preservation for infertility patients*   ***Petros Drakakis***  Comments: ***Nikolaos Vrahnis*** |
| **13.00 – 13:30** | **Lecture**  *Chair:* ***Stavros Sifakis***   * Pathophysiology of Preeclampsia   ***Georgios-Konstantinos Papaioannou*** |
| **13:30 – 14:30** | **Open discussion - Conclusions** |