

Speakers

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Maria Rosaria Boccellino

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Office of Court Obstetrician and Gynecologist of the Judiciary, Rome

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INTERNATIONAL CONGRESS ENDOCRINE DISRUPTORS: Endometriosis and Infertility



Thursday 8 April 2010

**Sala delle Conferenze
Piazza Monte Citorio, 123/A
Roma**

Endometriosis is a common gynaecological disease defined by the growth of endometrial glands and stroma outside the uterine cavity. The prevalence in the general female population is 6-10%; in women with pain, infertility or both, the frequency increases to 35-60%. Endometriosis is usually accompanied by infertility, chronic pelvic pain and adhesion formation. Deep infiltrating endometriosis of rectovaginal septum is a particular form of endometriosis located under the peritoneal surface. Despite the high morbidity and health care cost associated with endometriosis, research scientists remain unsure as to the definitive cause(s) of this disease. Currently, none of the pathogenetic theories proposed, such as retrograde menstruation implants, coelomic metaplasia or staminal cells hypotheses, has been definitively proved. It is well established that endometriosis is influenced by steroid hormones. Interestingly enough, there are several studies linking endocrine disruptors expositions in humans and insurgence of endometriosis. Moreover, several experimental studies have reported that endocrine disruptors can affect at very low doses the endocrine system and the development of mammalian (humans included) and non-mammalian species. Goal of the meeting is to shed light on the role of endocrine disruptors exposition in the pathogenesis and progression of endometriosis and on the effects on infertility.

Program of the Congress

Understanding Charter Ministry of Equal Rights Ministry of Equal Rights

ENDOCRINE DISRUPTORS: ENDOMETRIOSIS and INFERTILITY

Ore 10.30 Introduction
P.G. Signorile - Roma

I Session

ENDOCRINE DISRUPTORS AND ENDOMETRIOSIS

Chairman: *P.G. Signorile - Roma*

- 10.45 **Plenary Lecture: Endocrine Disruptors (ED)**
R. Newbold - Triangle Park, NC, USA
- 11.00 ED and human target cells
F. Bianchi - Pisa
- 11.15 Epidemiology: ED and Human Endometriosis
S.A. Missmer - Boston, USA
- 11.30 Utero placental exposure of the ED in Animal Model
G. Mita - Naples
- 11.45 **Discussion**
- 12.00 New Evidences on ED and pathogenesis of Endometriosis
P.G. Signorile, A Baldi - Roma
- 12.15 **Discussion**

Comunication Session

Chairman *R. Pierantoni - Naples*

Research topics of Italian Endometriosis Foundation

- 12.30 cDNA array analysis of endometriosis tissue
S. Crispi - Naples
- 12.40 Primary cell cultures from endometriosis tissue
MR Boccellino, L. Quagliuolo - Naples
- 12.50 Foetal endometriosis
F. Baldi - Naples

13.00 Clinco-epidemiological study on cohort of endometriosis patients

F. Rea - R. Viceconte - Roma

13.10 **Discussion**

13.30 Lunch

II Session

ENDOCRINE DISRUPTORS and FEMALE INFERTILITY

Chairman: *V. Sica - Naples*

- 14.30 **Plenary Lecture: Endocrine Disruptors and Infertility**
G. Grudzinskas - London,UK
- 14.45 Ovary, Oocyte, Endometrium and ED
A.R. Gargiulo - Boston,USA
- 15.00 Zygote, Embryo, Ivf and ED
B. Dale - Zurigo, CH
- 15.15 Ethyc and Law for the ED
F. Gargiulo - Roma
- 15.30 **Discussion**
- 15.50 **Conclusion**
- 16.10 **Test for CME**

The participation at the Congress is free.

It will be active a simultaneous translation.

The Italian Endometriosis Foundation will edit the Proceedings of the Congress in digital format at the Congress and printed after the Congress.

Is released CME to the participants that will sustain at the congress the CME test.

Participants will be issued the certificate of participation.