Ultrastructural study of granulosa cells obtained from patients with endometriosis participating in programs of in vitro fertilization (I.V.F. & E.T.)

Abstract ID : 1553
Soumis par : Afaf Ismail Le 2016-03-05 14:46:43
Nom de la catégorie : SEUD CONGRESS
Typologie : Communication orale / Oral communication
Statut : validé
Autorisation de diffusion : Yes/Oui

OBJECTIVE:
To study the prognostic value of morphological variations in granulosa cells obtained from patients with endometriosis participating in programs of I.V.F.& E.T.

DESIGN:
Prospective clinical study.

PATIENT AND METHODS:
? Twenty six patients complaining of infertility were recruited from I.V.F.& E.T. centers.
? The granulosa cells of retrieval and aspirated oocytes of 26 women who underwent I.V.F.& E.T. procedure were separated and collected for histological examination by light microscope and by electron microscope.

? The patient were divided into 2 groups:-
- Group 1 (n=10)control group as female factor was excluded.
- Group 2(n=16)included patients with endometriosis.
- The range of ages for both group was from 25-39 years.
- Written informed consent was obtained from all patients.

RESULTS:
? In control groups,6/10(60%) got successful pregnancy.
? The follicular cells revealed the normal morphological characteristic features.

? In Endometriotic group,4/16(25%) got pregnant.
? Abnormal follicular cells were seen with increase of morphological variations.

CONCLUSIONS:
The present work has shown:
- The existence of a number of major structural variations between normal granulosa cells and those obtained from women above 35 years old and women suffering endometriosis.
- Morphological variations of granulosa cells may play a role in infertility and subsequent failure of I.V.F.&E.T.
- Methods that measure apoptosis in human granulosa cells can be used as diagnostic tool for screening female infertility.

Mots clés : Granulosa cell morphological variations , I.V.F.& E.T. outcome in infertile women with endometriosis.

Auteurs :
Références :

Auteurs

Afaf Afaf Aly Ismail 1, Abdel Hamid ABDEL HAMID WAFIK 1, Mohamed M.Kamal Tawfik 1,

1. Gynecology & Obstetrics, Al-Azhar University, Cairo, EGYPT
2. Gynecology & Obstetrics, AL-Azhar University, Cairo, EGYPT

Auteurs (raw format)

Afaf Aly Ismail Afaf - email : hanan.mostafa@kasralainy.edu.eg Etablissement : Al-Azhar University Service : Gynecology & Obstetrics Ville : Cairo Pays : EGYPT Présentateur : Oui
ABDEL HAMID WAFIK Abdel Hamid - email : drhananmostafa@yahoo.com Etablissement : Al-Azhar University Service : Gynecology & Obstetrics Ville : Cairo Pays : EGYPT Présentateur : Non
M.Kamal Tawfik Mohamed - email : drhananmostafa@yahoo.com Etablissement : AL-Azhar University Service : Gynecology & Obstetrics Ville : Cairo Pays : EGYPT Présentateur : Non