**Curriculum Vitae**

**Personal data:**

Surname : OTHMAN

First name : ESSAM- ELDIN

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Date of birth: 14th October, 1972

Nationality: Egyptian

Marital status: married with two children

Language proficiency:

Excellent command of English language

Passed TOEFL test with a score of 620

**Current positions:**

*Academic appointment:*

Lecturer of Obstetrics and Gynecology,

Assiut Faculty of Medicine,

Assiut University,

Egypt (since April, 2009 till now)

*Clinical appointment*

Obstetrician and Gynecologist,

Assiut Women’s Health Center,

Egypt (since 2007 till now).

**Positions held:**

1. Assistant lecturer of Obstetrics and Gynecology (both academic and clinical work), Assiut Faculty of medicine, Assiut University, Egypt (2002- 2009).
2. Research fellow / OB-GYN department, University of Texas Medical Branch (UTMB) at Galveston, Texas, USA (2005-2007)
3. Resident (OB/GYN) /Assiut University Hospital (1998-2001)
4. House officer: /Assiut University Hospital (1997-1998)

**Qualifications:**

1. Doctorate degree (MD) in Obstetrics and Gynecology, Assiut University, Egypt (2009)
2. M.Sc. Obstetrics and Gynecology, Assiut University (2002)
3. M.B.B.Ch: Assiut Faculty of medicine, Assiut University (1996, excellent with honour, rank the fifth)
4. High school diploma: Naser secondary school, Assiut, Egypt. (1987 –1990)

**Clinical experience:**

Assiut Women’s health center is the largest hospital specialized in obstetrics, gynecology and women’s health in the south of Egypt. It has more than 400 beds with the following specialized units:

* Gynecology unit
* Obstetric unit
* Emergency reception unit
* Pelviscopy unit
* Cancer screening and early detection unit
* Fetal monitoring unit
* Ultrasonography unit
* Genetic and cytological laboratories

During my work as a house officer, a resident and as an assistant lecturer I gained experience in the following clinical activities:

Obstetrics**:** (high experience)

* Labor ward management
* Outpatient clinical management
* Inpatient clinical management
* Assisted vaginal deliveries
* Caesarean sections
* Emergency hysterectomy

Gynecology:

* Outpatient clinical management (high experience)
* Inpatient clinical management (high experience)
* Surgery: (high experience)
  + Pelvic floor repair
  + Vaginal hysterectomy
  + Myomectomy
  + Abdominal hysterectomy
  + Surgical explorations
  + Surgical Explorations

Endoscopy:

* Diagnostic laparoscopy and hysteroscopy (high experience)
* Operative laparoscopy (moderate experience)

Ultrasonography:

1. Working regularly at the ultrasound unit in OB/GYN department, Assiut University Hospital since 2002

Family planning:

1. Running a busy family planning clinicat Assiut University Hospital, counseling clients and providing all contraceptive methods.

**Laboratory experience:**

*Clinical laboratory experience****:***

Attended for one month in Alexandria IVF-ICSI center in 2009, the director is: Professor Hassan El-Maghraby

*Research Laboratory experience:*

Two years of laboratory research experience in University of Texas Medical Branch at Galveston (UTMB), Texas, USA (2005-2007), under the mentorship of Dr. Ayman Al-Hendy with training in the following molecular biology techniques:

* Cell culture techniques
* Cell cryopreservation
* Isolation of nucleic acids and proteins
* Gene transfer to cells using viral and non-viral vectors
* ELISA techniques
* Western blot
* PCR
* Luciferase assay
* Cell immortalization

**Academic and teaching experience:**

* Member of the local ethical committee, Assiut Faculty of Medicine
* Actively involved in academic and clinical teaching programs in OB-GYN department, Assiut Faculty of Medicine:
* Postgraduate academic teaching (residents and fellows), since 2009
* Undergraduate student teaching since October 2001
* Supervising clinical work of fellows (assistant lecturers), June, 2010
* Supervising clinical work of residents since June 2001
* Supervising clinical work of house officers since March 1998

**Courses and workshops:**

* “From gene to protein” workshop arranged by molecular biology unit, Assiut University
* Student assessment course, Assiut faculty of Medicine, Assiut University
* “Clinical research, tools and techniques.” Course, University of Texas Medical Branch (UTMB) at Galveston, Texas, USA in 2006.
* Infertility and assisted reproductive technology workshop, OB-GYN department, Alexandria University in April, 2002

**Research experience:**

*Current Research interests:*

* + - * + Endometriosis
        + Uterine fibroids
* Targeted drug and gene therapy in reproductive disorders
* Molecular biology in reproduction
  + - * + Stem cells and Regenerative Medicine

*Doctorate thesis:*

“Role of Cytokines, Oxidative Stress and gene therapy in Endometriosis”.

Thesis defense and acceptance took place in March, 2008.

*Master thesis:*

“Effect of acute maternal hydration on amniotic fluid volume in pregnant women with normal and with decreased amniotic fluid volume” 2001.

***Presentations:***

*Oral:*

* “Gene Therapy of Endometriosis” Oral presentation at the Society of Gynecologic Investigation (SGI) 53rd annual meeting, Toronto, Canada, March 2006.
* “Endometriosis, new insights into diagnosis and treatment” Oral presentation as part of the continuous medical education activity (CME), UTMB department of Obstetrics and Gynecology grand round, October, 2006.
* “Non invasive diagnosis of endometriosis” Oral presentation at Alexandria OB-GYN department 22nd conference, Alexandria, Egypt, April, 2008.
* “Molecular genetics and racial disparities of uterine leiomyomas” oral presentation, Assiut OB-GYN conference, Assiut, Egypt, March, 2009.

*Posters:*

* Towards gene therapy of endometriosis: “Targeting adenovirus towards endometriosis cells using tissue specific promoters and fiber modified adenoviruses” Poster presentation, SGI 54th annual meeting, Reno, Nevada, USA.
* “Serum cytokines for non surgical prediction of endometriosis” Poster presentation, SGI 54th annual meeting, Reno, Nevada, USA.
* “Targeting adenoviral gene therapy vectors towards normal endometrial cells” Poster presentation in American Society of Reproductive Medicine (ASRM) annual meeting, October, 2009. Accepted July, 1st, 2009.

***Reviewer for scientific journals:***

* *Ad-hoc* reviewer for the journal of Fertility and Sterility
* *Ad-hoc* reviewer for the European Journal of Obstetrics and Gynecology and Reproductive biology
* *Ad-hoc* reviewer of the Journal of Middle East Fertility Society

***Grants and scholarships:***

* Center of Scientific Excellence (CSE) grant; funded by Egyptian Science and Technology Development Fund (STDF), 2013. The grant aims at establishing Center of Excellence in Stem cells and Regenerative Medicine (CESCRM) jointly between Assiut and Zewail universities in Egypt.
* Seeding grant by Assiut Faculty of Medicine to develop a mouse model of endometriosis, 2012
* A Joint Supervision scholarship funded by the Egyptian Mission Department to conduct the doctorate degree research in University of Texas Medical Branch at Galveston (UTMB), Galveston, Texas, USA in 2005 for two years.

***Awards:***

* FIGO/Olympus award; to attend FIGO/Olympus Minimally Invasive Surgery workshop in Khartoum, Sudan, 2012.
* Serono Fertility Award at the 16th annual meeting of the Egyptian Fertility Society meeting, Cairo, 2011.
* Best oral presentation award at the 15th annual meeting of the Egyptian Fertility Society meeting, Cairo, 2010. Title of the abstract: "Molecular genetics and ethnicity in uterine leiomyoma"
* First Prize for: Excellence in Translational Research. Fifth annual National Women’s Health Week Poster Session, sponsored by the Center for Interdisciplinary Research in Women’s Health (CIRWH) at UTMB, 2007.

Tiles of the abstracts were:

1-Towards gene therapy of endometriosis: targeting adenovirus towards endometriosis cells using fiber modified and promoter modified adenovirus

2-Serum cytokines as biomarkers for endometriosis

* First Prize for: Excellence in Translational Research. Fourth annual National Women’s Health Week Poster Session, sponsored by the Center for Interdisciplinary Research in Women’s Health (CIRWH) at UTMB, 2006.

Title of the abstract was: Gene Therapy of Endometriosis

* President’s presenter award.  Society of Gynecologic Investigation (SGI) 53rd annual meeting in Toronto, Canada, 2006

Title of the abstract was “Towards gene therapy of endometriosis: Adenovirus-mediated delivery of dominant negative estrogen receptor genes inhibits proliferation, reduces cytokine production and induces apoptosis of endometriosis cells

***Publications:***

1. El Saman AM, Shahin AY, Nasr A, Tawfik RM, Saadeldeen HS, Othman ER, Habib DM, Abdel-Aleem MA. [Hybrid septate uterus, coexistence of bicornuate and septate varieties: a genuine report.](http://www.ncbi.nlm.nih.gov/pubmed/22612567)J Obstet Gynaecol Res. 2012 Nov;38(11):1308-14
2. El Saman AM, Habib DM, Othman EE, Tawfik RM. Successful canalization of a non communicating uterine horn by horn-vaginal anastomosis: preliminary findings of a novel approach for an unclassified anomaly. J Pediatr Surg. 2011 Jul;46(7):1464-8.
3. Guo SW, Simsa P, Kyama CM, Mihályi A, Fülöp V, Othman EE, D'Hooghe TM. Reassessing the Evidence for the Link Between Dioxin and Endometriosis: From Molecular Biology to Clinical Epidemiology. Guo SW, Simsa P, Kyama CM, Mihályi A, Fülöp V, Othman EE, D'Hooghe TM. Mol Hum Reprod. 2009 Sep 10. [Epub ahead of print]

4- Memy HM, Othman E, Hornung D, Al-Hendy A. Gene therapy of benign gynecological diseases. Adv Drug Deliv Rev. 2009 Aug 10;61(10):822-35.

1. Othman E, Al-Hendy A. Molecular genetics and racial disparities of uterine leiomyomasBest Pract Res Clin Obstet Gynaecol. 2008 Aug;22(4):589-601.
2. [Xu X, Othman Eel-D, Issaq HJ, Hornung D, Al-Hendy A, Veenstra TD.](http://www.ncbi.nlm.nih.gov/pubmed/18512681?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) Multiplexed quantitation of endogenous estrogens and estrogen metabolites in human peritoneal fluid. Electrophoresis. 2008 Jun;29(12):2706-13
3. Othman EE, Zheng Z, Curiel DT, Khatoon N, Salem HT, Khalifa EM, Al-Hendy A. Towards gene therapy of endometriosis: Transductional and transcriptional targeting of adenovirus to endometriosis cells. Am J Obstet Gynecol. 2008 Aug;199(2):117.e1-6
4. Othman EE, Hornung D, Salem HT, Khalifa EA, El-Metwally TH, Al-Hendy A. Serum cytokines as biomarkers for non-surgical prediction of endometriosis. Eur J Obstet Gynecol Reprod Biol 2008 Apr;137(2):240-6.
5. Othman E, Hornung D, Al-Hendy A. Biomarkers of endometriosis. Expert Opin. Med. Diagn. (2008) **2**(5):1-12
6. Othman EE, Salama S, Ismail N, Al-Hendy A. Toward gene therapy of endometriosis: adenovirus-mediated delivery of dominant negative estrogen receptor genes inhibits cell proliferation, reduces cytokine production, and induces apoptosis of endometriotic cells. Fertil Steril 2007 Aug;88(2):462-71.

11 - Elsnosy E.D, Shamash A.H, Ali M.Y, Othman E.R. Increasing the amniotic fluid volume by intravenous maternal hydration in pregnancies with normal and with decreased amniotic fluid volume; The Journal of the Egyptian Society of Obstetrics and Gynecology, vol.27 No.7, 8,9 July, August and September 2001.

**References:**

1. Dr. Ayman Al-Hendy M.D., Ph.D., FRCSC, FACOGProfessor and Vice Chair, OB-GYN department

Scientific Director, Center for Women Health ResearchAssociate Director, Clinical Research CenterMeharry Medical College, Nashville, Tennessee, USA

1. Dr. Robert Garfield PhD

Professor of reproductive sciences, OB-GYN department

University of Texas Medical Branch (UTMB) at Galveston

Texas, USA.

Dr. Daniela Hornung MD PhD

Professor of OB-GYN, Schleswig-Holstein university, Lubeck, Germany

1. Dr. Mahmoud F. Fathalla *M.D., Ph.D.*

Professor of Obstetrics and Gynecology, Faculty of medicine, Assiut University. He is the former president of FIGO and former manager of HRP unit in the world health organization.