C.V.

Name : Soha Fathalla Kholeif.

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Position : Emeritus Prof of the Human Genetics,
Quality Manager cytogenetic Lab,
Medical Research Institute
University of Alexandria, Egypt.

Qualifications:
- School education: Graduate of the English Girls College, Alexandria 1975
- University: Graduate of the Faculty of Medicine, University of Alexandria , grade very good with honor 1981.
- Post graduate :
  - MSc Human Genetics grade Excellent 1987, title of the thesis: Evaluation of the various banding techniques in the diagnosis of chromosomal aberrations.
  - Ph.D Human Genetics 1993, title of the thesis : A genetic study of sex anomalies.

Training:
- USA, Oak ridge associated Universities as a fellow of the International Atomic Energy Agency, October 1986-May 1987.
- Germany, at the Institute for biotechnology Wurzburg, July-September 1990.

Positions Held:

- Demonstrator, Human Genetics Depatment , Medical Research Institute, University of Alexandria, 1984.
- Assistant lecturer, Human Genetics Depatment , Medical Research Institute, University of Alexandria, 1988.
- Lecturer, Human Genetics Depatment , Medical Research Institute, University of Alexandria, 1993.
- Assistant Prof, Human Genetics Depatment , Medical Research Institute, University of Alexandria, 1998.
- Prof, Human Genetics Depatment , Medical Research Institute, University of Alexandria, 2003.
- Head of Human Genetics Department, Medical Research Institute, University of Alexandria, 2006-2008, 2012-2013.

Currently,Emeritus Prof, Human Genetics Depatment , Quality Manager Cytogenetics Lab, Medical Research Institute, University of Alexandria

Previous Projects:

- Participated in the National Project for Prevention of Genetic Diseases and Congenital Anomalies in Newborns, 1994-1995.
- Participated in Screening for Congenital Malformations in the Newborn. January 1996-July 1996 (WHO).
- Participated in the National Project for Early Detection and Primary Intervention of Inherited Childhood Neurometabolic Diseases. September 2006-December 2008(National counsil for childhood and motherhhod).
- Quality Manager HLAP Grant LP 7- 009 Alex 2013-2016
- Participated in HLAAP for accreditation of the cytogenetics Lab, MRI, Alexandria University

Current Projects:

- PI of an STDF funded project: A clinical and molecular genetic study of Egyptian patients with primary congenital glaucoma.

Constructive Activities:

- Participated in establishing the Cytogenetics lab, introducing G-banding, C- banding, Nor staining, Sister chromatid exchange, Micronucleus assay and FISH techniques.
- Participated in establishing the Human Genetics Clinic.

- **Services**:
- Participated in lab and clinical diagnosis of patients with genetic disorders.
- Supervising junior staff training in the the cytogenetics lab
- Participating in training courses provided by the department.

Teaching and academic responsibilities:

- Participated in constructing the handbook of the Human Genetics Department for post graduate studies.
- *Teaching activities*:
  - MSc Human Genetics
  - Pre-requisite Human Genetics
  - PhD Human Genetics

- *Training Courses* :
  - Participated in training courses provided by the Human Genetics Department in:
  - Cytogenetics
  - Clinical cytogenetics

- General Academic Advisor of the post graduate courses provided by the Medical Research Institute.
- Member of the Quality board of the Medical Research Institute
- Head of the Quality team responsible for the File of Higher education and programs provided by the Institute.
- Member of the Quality internal audit team.

Evaluator of Alex Rep projects.
Evaluator of STDF projects.
Editor Human Genetics in Web Master.

Conferences:

- Participates in the annual conference of the Medical Research Institute, both as a speaker and as a head of session.

- Participates in conferences in Human Genetics

- Attended capacity building courses provided by the University of Alexandria, as well as workshops provided by Quality Unit of the University of Alexandria.

NGO Membership:
- Member of the Genetic counseling society since 1986.
- Member of the Egyptian genetic society since 1991.
- Member of the Alex Gene Club

List of Publications:

1- Duplication 3q(q21-qter) without limb anomlaies.
Ismail SR, Kousseff BG, Kotb SM, Kholeif SF.
Am J Med Genet. 1991 Mar 15;38(4):518-22.

2- Heteromorphisms of Ag stained Nucleolus Organizer *Regions (NORs) in Acrocentric chromosomes of Egyptians.*
Soha F Kholeif
Bulletin of High Institute of Public Health 11996 Vol 26, No 4.

3- Relationship Between Head Circumference And Psychomotor Development In Down Syndrome
Soha F Kholeif, Amal M Abd El Aziz, Mohamed M Mokhtar
Bulletin of High Institute of Public Health 1997 Vol 27 No 2.

4- Chromosome Anomalies in Normal Androgenized Infertile Males
Mervat M Hashish, Samia M Kotb, Soha F Kholeif
The Journal of the Egyptian Public Health Association 1997 Vol LXXII; No 5,6 .

5- Role of Parental Age and Consanguinity in the Etiology of Numerical Chromosome Anomalies
Suzan R Ismail, Mohamed M Mokhtar, Amal M Abd El Aziz, Soha F Kholeif
Bulletin of High Institute of Public Health 1997 Vol 27 No 1.

6- Chromosome anomalies in couples with recurrent spontaneous abortions
Soha F Kholeif, Amal M Abd El Aziz
12th annual conference of Obtetrics and Gynecology March 1997.

7- Chromosome Damage in Passive Smoker Females
Suzan R Ismail, Soha F Kholeif, Mohamed M Mokhtar
The Journal of the Egyptian Public Health Association 1998 Vol LXXIII; No 1,2.

8- Cytogenetic and Biochemical Studies of the Mentally Handicapped in Alexandria.
Sahar S El Shafei, Amal K Beheiry, Mohamed M Mokhtar, Soha F Kholeif
Bulletin of High Institute of Public Health 1999 Vol 29 No 3 .

9- Genetics of Congenital Malformations of the Central Nervous System
Nargues M Hassanein, Soha F Kholeif, Mohamed M Mokhtar, Hanan S Mahrous
Bulletin of High Institute of Public Health 2000 Vol 30 No 3.

10- Assessment of Children with Down Syndrome Receiving Early Intervention.
Rasha N El Kharadly, Soha F Kholeif, Samia M Kotb, Nagwa A Mohamed, Mamdouh Abdel Guelil
Alex J Ped 2001

11- Assessment of the Use of Interphase Fluorescence in Situ Hybridization (FISH) as an Alternative to Cytogenetics in Prenatal Diagnosis of Women at Risk of Having a Down Syndrome Fetus
Soha F Kholeif
The Egyptian Journal of Medical Human Genetics 2002 Vol 3 No 2 .

12- Parental Chromosome Constitution of Children with a Chromosomal Abnormality.
Amal K Beheiry, Soha F Kholeif

The Egyptian Journal of Medical Human Genetics 2002 Vol 3 No 2.

13- Phenotypic Variability in Patients Mosaic for 45,X/46,XY or 45,X/46,X,idic(Y).
Soha F Kholeif
The Egyptian Journal of Medical Human Genetics 2002 Vol 3 No 2.

14- Micronucleus Assay in Patients with Lung Cancer, Chronic Obstructive Pulmonary Disease and Non-Smoker Control.
Soha F Kholeif, Mohamed M Mokhtar, Mahmoud M Ibrahim, Nadia A Abd El Monem.
Bulletin of High Institute of Public Health 2002 Vol 32 No 4.

15- C-band heteromorphism in Lung cancer
Soha F Kholeif
Bulletin of High Institute of Public Health 2002 Vol 32 No 4 .

16- The Biochemical and Genotoxic Effects of Occupational Exposure to Vinyl Chloride Monomer
Aziza A Saad, Mohamed A Abdel Mohsen, Soha F Kholeif, Mohamed N Mowafy, Mostafa M Mahdy, Jihan H Mohamed
Bulletin of High Institute of Public Health 2003 Vol 32 No 1.

17- Disease Associated Balanced Chromosome Rearrangements; Report on 12 cases.
Soha F Kholeif, Nahla A Nazmy, Hanan S M ahrous
Alexandria J Ped 2008 Vol 22, No22.

18- Phenotypic variability in patients with isodicentric Y(p11.3). A clinical, cytogentic and molecular study
Nahla A nazmy, Soha F Kholeif, Amal K Beheiry
Egypt J Med Genet 2008 Vol 9 No2.

19- Biological activity resulting from exposure to aquatic environmental genotoxic pollutants in northern Egypt
A.A. Saad, A.M. El-Sikaily, S.F. Kholeif, E.S. Khalil, H.S. Mahrous, E.M.S. Al-Zabedi and H.A. Kassem.
EMHJ 2010 Vol 16 No 1.

20- Homozygosity for a Robertsonian translocation (13q;14q) in a healthy 44, XY male with history of repeated fetal losses: Case report
Abdalla, E.M., Kholeif, S.F., Elshaffie, R.M.
Lab Medicine 2013 ;*44:254-257.*

21- Detection of 35delG, 167delT mutations in the connexin 26 gene among Egyptian patients with nonsyndromic sensorineural hearing loss.
Nehal E. El Barbary, Mervat F. El Belbesy, Samir I. Asal, Soha F. Kholeif
The Egyptian Journal of Otolaryngology 2015; 31:42–46.

22- CYP1B1 and myocilin gene mutations in Egyptian patients with primary congenital glaucoma
Mahmoud R. Fassad, Asmaa K. Amin, Heba A. Morsy, Noha M. Issa, Nader H. Bayoumi, Sahar A. El Shafei, Soha F. Kholeif
Egypt J Med Genet Available on line August 2016
http://dx.doi.org/10.1016/j.ejmhg.2016.07.003

23- Familial reciprocal non robertsonian translocation t (14; 22) resulting in 22q11. 2 deletion syndrome
N Nazmy, G Elhady, E Refaat, S Kholeif
The Turkish journal of pediatrics 2019 61 (5), 780-785.

24- Chromosomal Aberrations in 224 Couples with Recurrent Pregnancy Loss
GM Elhady, S Kholeif, N Nazmy
Journal of Human Reproductive Sciences 2020 13 (4), 340.

25- The Effect of Teratozoospermia on Sex Chromosomes in Human Embryos
DM Nayel, HSED Mahrous, EED Khalifa, S Kholeif, GM Elhady
The application of clinical genetics 2021 14, 125.