

Amal Kotb Behary

Contact Info:

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Personal Details:

Nationality: Egyptian

Date of birth: 22/6/1959

Sex: Female

Social status: Married

Current Appointment:

- Head of Human Genetics Department- Medical Research Institute, Alexandria University from 2016
- Technical management manager of cytogenetic lab, Human Genetics Department, Medical Research Institute, Alexandria University since 2013

Qualifications:

- ☒ University: Graduate of the Faculty of Medicine, Alexandria University, very good with honor 1983.
- ☒ -Master degree in Human Genetics grade Excellent 1991, title of thesis: **Genetic Study of X—linked Mental Retardation.**
- ☒ -Ph.D degree in Human Genetics 1997, title of the thesis: **Genetic Study of Phakomatoses.**

Previous Appointment:

- Demonstrator, Human Genetics Department, Medical Research Institute, University of Alexandria, 10 / 1985.
- Assistant lecturer, Human Genetics Department, Medical Research Institute, University of Alexandria, 12/1991.
- Lecturer, Human Genetics Department, Medical Research Institute, University of Alexandria, 10/1997
- Assistant Prof, Human Genetics Department, Medical Research Institute, University of Alexandria, 7/2003.
- Professor, Human Genetics Department, Medical Research Institute, University of Alexandria, 2009.

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 council for childhood and motherhood) .

- ✓ Participate in quality control project in Medical Research Institute 2013- till now.
- ✓ Participate in the project of cytogenetic lab accreditation (of human genetic dept, Medical Research Institute) 7/2013. Working as Technical management manager of cytogenetic lab

Work experience:

30 years experience in Human Genetic Department ,from 1987 till now, including:

❖ *Genetic Clinic:*

- Diagnosis and management of cases with different conditions attending the genetic clinic.
- Genetic counseling: Premarital and couples with reproductive failure or history of genetic disorders.

❖ *Cytogenetic Laboratory:*

- Blood culture using G-banding technique
- Chromosomal breakage technique
- Techniques for fragile sites

❖ *Teaching :*

--**Lecturer** in many courses for both the **master & PhD degrees** of Human Genetic dept ,MRI since 2005 till now

--**Course coordinator** of many courses for both the **master & PhD degrees** of Human Genetic dept since 2005 till now

- ❖ *Consultant at Genetic clinics of Ministry of Health in Alexandria since 2006*
- ❖ *Quality control in Medical Research Institute since 2013- till now*
- ❖ *Technical management manager of cytogenetic lab, Human Genetics Department, Medical Research Institute, since 2013 till now*

Recent Scientific Activities:

- Actively participated in the preparation and execution of workshop on Diagnostic Cytogenetics lab, Human Genetics Dept, MRI. 16-18 December 2016
- Actively participated in the preparation and execution of workshop on Essential of clinical genetics (Myths Versus Facts). Medical technology center. 29-30 April 2017.
- Attending the workshop of Essential Lab Skills and Basic Molecular Genetics Techniques. 28 October 2017
- Actively participated in the preparation and execution of 2nd Annual Conference of Laboratory Departments of Medical Research Institute, Alexandria University. 4-5 November 2017.

National Genetics Organizations **Membership:**

- Member of the Genetic counseling society since 1986.
- Member of the Egyptian genetic society since 1991.

List of Scientific Researches:

1- Cytogenetic and Biochemical Studies of the Mentally Handicapped in Alexandria. Sahar S El Shafei ,Amal K Behery ,Mohamed M Mokhtar ,Soha F kholeif .Bulletin of High Institute of Public Health .vol .29 No.3 (1999) .

2- A Genetic Study of Chromosomal Translocations With Phenotype – Karyotype correlation .Suzan R Ismail , Nahla A Nazmy ,Hanan S mahrous ,Amal K Behery and Hanan M farag . The Second International Conference on Population and Molecular Genetics Update,Cairo Egypt,30/11 to 2/12/1999.

3- Genetic and Environmental Risk Factors For Breast Cancer In Alexandria, Egypt. Amal Kotb Behery . Journal of the Medical Research Institute. Vol 23, No.1 (2002)

4- Genetic Aspects of Delayed Puberty.Amal K Behery ,Nahla A Nazmy , Nargues M Hassanein .Bulletin of HIGH Institute of Public Health .vol 32, No 2 (2002)

5- Cytogenetic Study In Infertile patients with idiopathic oligozoospermia . Adel H El-Behery ,Amal K Behery ,Nahla A Nazmy ,Eisha A Ismail .Egyptian Journal of Avdrology and Reproduction . Vol 16, No.2 JULY (2002).

6- Premarital Genetic Investigations: An Attempt to Reduce Genetics. disorders Amal M Abd El A ZIZ ,Mohamed M Mokhtar Amal K Behery ,Nargues M Hassanein .Bulletin oh High Institute of Public Health. VOL 32, No.3 (2002).

7- Parental Chrosome Constitution of Children With A Chromosomal Abnormality . Amal K Behery ,Soha F Kholeif . The Egyptian Journal of Medical Human Genetics , Vol 3,No.2, (Nov 2002) .

8- Cytogenetic Study of Tuberculous Patients Before And After Chemotherapy .Magdy A Rayan ,Amal K Behery ,Nouran Y Azab .Bulletin of High Institute. Vol 34, No.4 (2004).

9- Genetic Assessment of Neonatal Deaths in Alexandria .Amal K Behery ,Ebtessam M Abdalla . Bulletin of High Institute of Public Health. Vol 36, No.2 (2006).

10- A Molecular Study of Methylenetetra hydrofolate Reductase Gene in Mothers of Standard Down Syndrome Patients .Lubna M Ibrahim ,Samia M Kotb ,Mohamed M Mokhtar ,Amal K Behery, Hanan S El din . Alexandria Journal of Ped , vol 20, No.2 (2006).

11- Impact of Genetic Polymorphisms of the Human Beta 2 –Adrenergic Receptor Gene in Obese Egyptian Females. Hanan S Mahrous, Amal K Behery, Mohamed M Mokhtar .Journal of the Medical Research Institute. Vol 28 No,3 (2007).

12- Chromosome anomalies in a population referred for cytogenetic analysis . A Five Experience In Alexandria , Egypt .Hanan S Mahrous ,Amal K Behery, Nahla A Nazmy ,Soha F Kholief .Journal of Medical Research Institute . Vol 28 No.3 (2007).

13- Fragile X-Syndrome: Clinical and Molecular Studies. Amal K Behery. The journal of the Egyptian Public health Association. Vol 83, No.3&4 (2008).

14- Risk Factors For Hypospadias. A case control study. Nahla A Nazmy, Amal K Behery. Bulletin of High Institute of Public Health. Vol 38, No.2 (April 2008).

15- Genetic evaluation of proportionate short stature in Alexandria, Egypt. Amal K Behery. The Egyptian Journal of Medical Human Genetics. Vol 9, No.2 (Nov.2008).

16- Phenotypic Variability in patients with isodicentric Y (P11.3). A clinical, cytogenic and molecular study. Nahla A Nazmy, Soha F Kholief, Amal k Behery. The Egyptian Journal of Medical Human Genetics. Vol 9, No.2 (Nov. 2008).

List of supervised thesis:

- ✚ Molecular study of tetrahydrofolate reductase gene in mothers of Down syndrome 2005

- ✚ 2-The impact of interphase fluorescence in situ hybridization (FISH) technique on the detection of chromosomal aberrations in multiple myeloma . PhD 2005-2009.
- ✚ Cytogenetic and molecular detection of Y chromosome material in Turner Syndrome patients. Msc 2007-2010
- ✚ Genetic and molecular study of the steroid 21-hydroxylase gene (cyp21) in patients with congenital adrenal hyperplasia. Msc 2009-2012
- ✚ Evaluation of the relation between factor V leiden (G1691A) , prothrombin (G20210A) gene mutations and idiopathic recurrent pregnancy loss. Msc 2010-2013
- ✚ Evaluation of the role of chromosomal aberrations and oxidative and adduct (8-ohdG) as biomarkers of radiotoxicity in radiation workers. Msc 2011-2014
- ✚ Detection of chromosome22q11.2 microdeletion among patients with congenital conotruncal cardiac defects PhD 2012- 2015.
- ✚ The impact of Apolipoprotein A5 gene 1131T>C and 56C>G polymorphisms on metabolic syndrome indicators in an Egyptian sample. Msc 2014 – 2017