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PERSONAL PROFILE

A faculty member qualified doctor with general practice and hospital experience in addition to PhD in human molecular genetic with areas of research relating to DNA repair. A hardworking, commitment individual who is fluent in Farsi and English.

PROFESSIONAL QUALIFICATIONS

University of medical Sciences, Kerman/Iran, 1998-1995	**MD** Synopsis of key features: * Basic Science *Physiopathology of disease *Clinical training *Clinical practice
Sheffield University 2001-2004	**PhD** Homologous recombination in mammalian cells. In this project, homologous recombination events occurring at DNA double-strand breaks, stalled and collapsed replication forks as well as at each phase of the cell cycle were characterised in mammalian cells.

PERSONAL EXPPERINCE

Private clinic in Kerman/Iran ,1995-1997	Wide-ranging experience as general practitioner, with a caseload of up to 100 at any one time
University of medical science, Kerman/Iran, 1995- 2000	Treatment affairs manager I was in charge of specialists-distribution and supervising of private clinics.
Afzalipour Hospital Kerman/Iran, 2004 – 2006	Vice head of hospital I was in charge of supervising all hospital affairs.
University of medical sciences, Kerman/Iran, 2006- 2009	Kerman University Vice Chancellor I was in charge of cultural and student affairs.
Afzalipour Hospital Kerman/Iran, 2006- now	Prenatal diagnosis (PND) ward I am technical supervisor and head of PND section. I work for mutation detection and prenatal diagnosis of thalassemic patients.
University of medical sciences, Kerman/Iran, 2010- now	Associate Professor, Head of genetic department

PUBLICATIONS

1-Schultz N, Lopez E, Saleh-Gohari N, Helleday T.Poly (ADP-ribose) polymerase (PARP-1) has a controlling role in homologous recombination. Nucleic Acids Res. 2003 Sep 1;31(17):4959-64.

2- Saleh-Gohari, N. Helleday, T. Conservative homologous recombination preferentially repairs DNA double-strand breaks in the S phase of the cell cycle in human cells. Accepted for Nucleic Acids Research Publication. 24 June 2004 NAR-01277-U-2004.

3- Saleh-Gohari, N. Helleday, T. Strand invasion involving short tract gene conversion is specifically suppressed in BRCA2-deficient hamster cells. Oncogene. 2004 Dec 2;23(56):9136-41.

4- Saleh-Gohari, N. Helleday, T. Spontaneous homologous recombination is induced by collapsed replication forks that are caused by endogenous DNA single-strand breaks. Mol Cell Biol. 2005 Aug;25(16):7158-69.

5- Renglin Lindeh A, Schultz N, Saleh-Gohari N, Helleday, T. RAD51C (RAD51L2) is involved in maintaining centrosome number in mitosis. Cytogenet Genome Res. 2007;116(1-2):38-45.

6- Al-Minawi AZ, Saleh-Gohari N, Helleday T. The ERCC1/XPF endonuclease is required for efficient single-strand annealing and gene conversion in mammalian cells. Nucleic Acids Res. 2008 Jan;36(1):1-9. Epub 2007 Oct 25.

7- Al-Minawi AZ, Lee YF, Håkansson D, Johansson F, Lundin C, Saleh-Gohari N, Schultz N, Jenssen D, Bryant HE, Meuth M, Hinz JM, Helleday T. The ERCC1/XPF endonuclease is required for completion of homologous recombination at DNA replication forks stalled by inter-strand cross-links. Nucleic Acids Res. 2009 Aug 27.

8- Saleh-Gohari N, Mashizi AK. A family with the 619 bp deletion on the beta-globin gene found in Kerman Province, Iran. Hemoglobin. 2009;33(6):515-8.

9- Saleh-Gohari N, Khosravi-Mashzi A. Spectrum of α-globin gene mutations in Kerman province of Iran. Hemoglobin. 2010;34(5):451-60.

10- Saleh-Gohari N, Bazrafshani MR.

Distribution of β-globin gene mutations in thalassemia minor population of Kerman province, Iran. Iranian J Publ Health, Vol. 39, No.2, 2010, pp.69-76.

11- Haghighi A, Al-Hamed M, Al-Hissi S, Hynes A, Sharifian M, Roozbeh J, Saleh-Gohari N and A. Sayer A. Senior-Loken syndrome secondary to NPHP5/IQCB1 mutation in an Iranian family. NDT Plus. 2011; 4 (6): 421-423.

12- Haghighi A, Verdin A, Haghighi-Kakhki H, Piri N, Saleh-Gohari N, De Baere E. Missense mutation outside the forkhead domain of FOXL2 causes a severe form of BPES type II. Molecular Vision 2012; 18:211-218.

13- Haghighi A, Haghighi A, Setoodeh A, Saleh-Gohari N, Astuti D, Barrett TG.I dentification of homozygous WFS1 mutations (p.Asp211Asn, p.Gln486*) causing severe Wolfram syndrome and first report of male fertility. Eur J Hum Genet. 2013 ;21(3):347-51.

14- Haghighi A, Scott CA, Poon DS, Yaghoobi R, Saleh-Gohari N, Plagnol V, Kelsell DP. A missense mutation in the MBTPS2 gene underlies the X-linked form of Olmsted syndrome. J Invest Dermatol. 2013; 133(2):571-3.

15- Saleh-gohari N, Mohammadi-Anaie M, Kalantari-Khandani B. BRCA1 Gene Mutations in Breast Cancer Patients From Kerman Province, Iran. Iran J Cancer 2012; 4: 210-15.

16- Saleh-gohari N, Mohammadi-Anaie M. Co-Inheritance of Sickle Cell Trait and Thalassemia Mutations in South Central Iran. Iranian J Publ Health. 2012; 41(10): 81-86.

17- Haghighi A, Ni kuei P, Haghighi-Kakhki H, Saleh-gohari N, Baghestani S, Krawitz P.M, Hecht J, Mundlos S. Whole-exome sequencing identifies a novel missense mutation in EDAR causing autosomal recessive hypohidrotic ectodermal dysplasia with bilateral amastia and palmoplantar hyperkeratosis. British Journal of Dermatology 2013; 168:1351–1377.

18- Saleh-gohari N, Mohammadi-Anaie M. Congenital Insensitivity to Pain with Anhidrosis in an Iranian Patient. Basic and clinical NSC 2013; 4 (1): 88-90.

19- Setoodeh A, Haghighi A, Saleh-Gohari N,

Ellard S, Haghighi A. Identification of a SLC19A2 nonsense mutation in Persian families with thiamine-responsive megaloblastic anemia. Gene. 2013; 1;519(2):295-7.

20- Haghighi A, Haack TB, Atiq M, Mottaghi H, Haghighi-Kakhki H, Bashir RA, Ahting U, Feichtinger RG, Mayr JA, Rötig A, Lebre AS, Klopstock T, Dworschak A, Pulido N, Saeed MA, Saleh-Gohari N, Holzerova E, Chinnery PF, Taylor RW, Prokisch H. Sengers syndrome: six novel AGK mutations in seven new families and review of the phenotypic and mutational spectrum of 29 patients. Orphanet J Rare Dis. 2014 Aug 20;9:119.

21- Haghighi A, Tiwari A, Piri N, Nürnberg G, Saleh-Gohari N, Haghighi A, Neidhardt J, Nürnberg P, Berger W. Homozygosity Mapping and Whole Exome Sequencing Reveal a Novel Homozygous COL18A1 Mutation Causing Knobloch Syndrome. PLoS One. 2014 Nov 13;9(11):e112747.

22- Saleh-Gohari N, khademi bami M, Nikbakht R, Karimi-Maleh H. Effects of α-thalassemia mutations on the haematological parameters of β-thalassemia carriers. J Clin Pathol 2015; 0: 1-5.

RESEARCH AREAS

DNA repair, Alfa and Beta thalassemia

REFEREES

1- Professor Thomas Helleday, Gray Institute for Radiation Oncology and Biology, Old Road Campus Research Building, Off Roosevelt Drive, Oxford, OX3 7DQ
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EXPERIMENTAL SKILS

DNA: DNA Extraction and purification, Southern Blot Analysis, PCR and multiplex and ARMS-PCR, Agarose and Acryl amid Gel Electrophoresis, Cloning/Subcloning, Mutational Analysis by gene targeting.
Tissue Culture Techniques: Cell culture, Transfection, Recombination Assays, FACs Analysis.
RNA: RNA extraction, RT-PCR.