

EDUCATION

REACH-reaching diversity

August 2020, **40hr Medical/Healthcare Interpreting 101 training, Certificate**, awarded 2020

Moodle

August 2020, **Moodle Teaching & Moodle Admin Basics completer, Certificate**, awarded 2020

American Heart Association (AHA), Muscat

March 2018, **Basic life support (BLS) course**, awarded 2018

Melbourne University, Molecular Medicine Laboratory/Coursera

August 2015, **Epigenetic Control of Gene Expression, Certificate**, awarded 2015

Medical School Pathology

December 2014, **General and Systemic Pathology, Certificate**, awarded 2014

World Laparoscopy Hospital, Gastroenterology Department, New Delhi, INDIA

October 2013, **Upper & Lower GI Endoscopy, Fellowship**, awarded 2013

Tokyo Medical & Dental University, Surgical Oncology Department, Tokyo, JAPAN

April 2008-March 2012, Medical Sciences, **PHD**, awarded 2012

Baghdad University, College of Medicine, Baghdad, IRAQ

September 1999-June 2004, **Bachelor of General Medicine & Surgery (MBCbB)**, awarded 2004

RESEARCH EXPERIENCE

Department of Surgical Oncology, Tokyo Medical & Dental University (2007-2012)

- ♦ Completed the project of identification of potentially methylated genes in colorectal cancer
- ♦ Collaborated on a study about *BNIP3* methylation in colorectal cancer and gastric cancer
- ♦ Completed the project of genomic *DNA* library for more than 1000 samples
- ♦ Conducted literature search, data entry, statistical analysis and helped in weekly presentations

Baghdad University-college of Medicine (1998-2004)

- ♦ Collaborated on a study about tuberculosis incidence among patients at Baghdad Teaching Hospital
- ♦ Contributed to a study assessing the incidence, causes and consequences of early-marriage among college students in Baghdad

WORK EXPERIENCE

General Practitioner, Ibn-Alhaytham Medical Center, Ibra, SULTANATE of OMAN

February 2016-March 2020, 54 hours per week

Provided general medical services to an average of 450 patients monthly. ♦ Performed consultations, physical examinations, diagnostic evaluation and treatment of illnesses, minor surgery, health education, and liaised with other healthcare professionals and local hospitals.

Head of Continuing Medical Education, Research, and Professional Development section, Garmyan Health Directorate, Sulaimaniya, IRAQ

February 2014-January 2016, 35 hours per week

Design and organize a professional development plan based on the directorate's employees, medical/non-medical, needs. ♦ Ensure that suitable expertise is available to carry out professional development plans to be provided within local health institutes.

General Practitioner, Al-Shafa'a Private Hospital, Baghdad, IRAQ

April 2012-February 2014, 48 hours per week

Responsible for patients' consultations, physical examinations, diagnosis and treatment of illnesses, minor surgery, health education, and liaising with other healthcare professionals and local hospitals.

Clinical Observership, Surgical Oncology, Tokyo Medical & Dental University, Tokyo, JAPAN

April 2008-March 2012, 15 hours per week

Joined daily rotations and observed all services and treatments.

Medical Resident, Qaladiza General Hospital, Sulaimaniya, IRAQ

January 2007-March 2007, 48 hours per week.

Served in Medical, Surgical, Pediatric and Emergency departments ♦ Averaged 4+ shifts per month.

Medical Resident, Alkarama Teaching Hospital, Baghdad, IRAQ

July 2006-January 2007, 48 hours per week.

Served in Medical, Surgical, Pediatric and Emergency departments throughout a difficult period in the country's history. ♦ Averaged 4+ shifts per month. ♦ As **Assistant Chief Resident**, maintained accurate and adequate flow of medical supplies to hospital wards. ♦ Managed monthly scheduling of 45 residents' duties and department rotations.

Medical Intern, Al-Shafa'a Private Hospital, Baghdad, IRAQ

July 2004-July 2006, 48 hours per week.

Rotated in four major and 14 minor medical branches. ♦ Covered duties in the Surgical, Medical, Pediatric, Obstetrics and Gynecology emergency rooms throughout the residency period (2-4 shifts per month).

GRANTS AWARDED

Grant, 50,000 ¥, *International Medical Society of Japan*, Tokyo, JAPAN, November 2008

Japanese Government Scholarship (Monbukagakusho), Tokyo, JAPAN, April 2007-March 2012

(GRANT_NUMBER: 90706001089)

HONORS & AWARDS

Certificate of Recognition, *Allied Academies and the Editors of Journal of Gastroenterology and Digestive Diseases and Archives of Digestive Disorders*, Toronto, CANADA, 2017

Certificate, Good Medical Conduct, *Iraqi Medical Association*, Baghdad, IRAQ, 2007, 2015, & 2017

Certificate, Good Medical Conduct, *Directorate of Private Health Establishments*, OMAN, 2017 & 2020

Certificate of Appreciation, *IASGO*, 2011

Certificate of Appreciation, *Iraqi Embassy*, Tokyo, JAPAN 2009, and 2010

Students' representative, *Baghdad University College of Medicine at 18th East Asian Medical Students' Conference (EAMSC)*, Osaka, JAPAN, December 2004

PEER-REVIEW SERVICE

Journal Reviewer, *British Medical Journal (BMJ) case reports*

Journal Reviewer, *ActaMedicaAcademica (ANUBiH)*

Honorable Editor, *American Journal of basic science and research (AJBSR)*

PROFESSIONAL LICENSES

License to Medical Practice, *Ministry of Health-SULTANATE of OMAN*, Reg. Year & No.: 2016 - 12163

License to Medical Practice, *Ministry of Health-IRAQ*, Reg. Year & No.: 2004 - 34173

PROFESSIONAL SOCIETY MEMBERSHIPS

Member, *American Association for Cancer Research (AACR)*

Member, Hub-CMI (#200175), *The National Board of Certification for Medical Interpreters (NBCMI)*

Member, *The Epigenetics Society*

Member, *European Society for Medical Oncology (ESMO)*

Member, *Iraqi Medical Association (IMA)*

Member, *Kurdistan Medical Association (KMA)*

Member, *WHO Global Initiative for Emergency and Essential Surgical Care (GIEESC)*

SCIENTIFIC PRESENTATIONS

ORAL PRESENTATIONS

Khamas A (Invited Speaker)

♦ *Methylation markers in colorectal cancer: Current updates and future prospective*
World Gastroenterological Conference (GASTRO2017), Toronto, CANADA, 2017

Khamas A (Invited Speaker)

♦ *Methylation markers in colorectal cancer: Where are we now?*
21st World Congress on Advances in Oncology and 19th International Symposium on Molecular Medicine, Athens, GREECE, 2016

Khamas A, Ishikawa T, Mogushi K, Iida S, Ishiguro M, Tanaka H, Uetake H, Sugihara K

♦ *Screening for Epigenetically Masked Genes in Colorectal Cancer using 5-aza-2'-deoxycytidine treatment, Microarray and Gene Expression Profile (Oral)*

The 45th Annual Meeting of Japan Research Society for Appropriate Cancer Chemotherapy, Tokyo, JAPAN, 2012

Khamas A, Ishikawa T, Shimokawa K, Iida S, Ishiguro M, Mizushima H, Uetake H, Sugihara K

♦ *Identification of Epigenetically Silenced Tumor Suppressor Genes in Colorectal Cancer (Oral)*

The 21st World Congress of IASGO, Tokyo, JAPAN, 2011

Khamas A, Ishikawa T, Iida S, Ishiguro M, Uetake H, Sugihara K

♦ *Colorectal Cancer Prediction Using Methylation Markers (Oral)*

The 48th international Congress on Therapy, Tokyo, JAPAN, 2008

Khamas A, Iida S, Uetake H, Sugihara K

♦ *Promoter Hypermethylation of BNIP3 Was Correlated to Poor Prognosis in Human Colorectal Cancer (Oral)*

The 54th Annual Congress of Japan Section of the International College of Surgeons, Tokyo, JAPAN, 2008

POSTER PRESENTATIONS

Khamas A, Ishikawa T, Mogushi K, Iida S, Ishiguro M, Tanaka H, Uetake H, Sugihara K

♦ *Promoter Methylation of Leukemia Inhibitory Factor Receptor (LIFR) Gene in Colorectal Carcinoma: A Validation Study (poster)*

First World Congress for Advanced Medical Research, Kuala Lumpur, MALAYSIA, 2013

Khamas A, Ishikawa T, Shimokawa K, Iida S, Ishiguro M, Mizushima H, Uetake H, Sugihara K

♦ *Identification of Epigenetically Silenced Tumor Suppressor Genes in Colorectal Cancer (Poster)*

Frontiers in Basic Cancer Research, San Francisco, CA, USA, 2011

Khamas A, Iida S, Ishiguro M, Shimizu S, Uetake H, Sugihara K

♦ *Promoter Hypermethylation of BNIP3 Was Correlated to Poor Prognosis in Human Colorectal Cancer (Poster)*

The 18th Hiroshima Cancer Seminar (HCS) International Symposium, Hiroshima, JAPAN, 2008

VOLUNTEER ACTIVITIES

Moderator , <i>World Gastroenterological Conference (GASTRO2017)</i> , Toronto, CANADA	2017
General Practitioner , <i>Public Aid Organization</i> , Sulaimaniya, IRAQ	2014
Session Chair , <i>21st World Congress of IASGO</i> , Tokyo, JAPAN	2011
Aid distributor , <i>Japan-Iraq Medical Network</i> , Ishinomaki City, JAPAN	2011

SKILLS

LABORATORY

Immunohistochemistry

♦ Staining and mounting of tissue on slides ♦ Establish primary cell lines culture ♦ Maintenance and division of cell lines ♦ Cell viability assay (*Trypan blue*) and cell counting (*Hemocytometer*) ♦ Cell lines treatment with *5-aza-2'-Deoxycytidine*

Molecular

♦ Polymerase chain reaction (*PCR*) ♦ Methylation specific *PCR (MSP)* ♦ Reverse transcriptase *PCR (RT-PCR)* ♦ Real-time *MSP (MethyLight)*, Real-time Quantitative *RT-PCR* ♦ Agarose gel electrophoresis ♦ Genomic *DNA* extraction and purification from frozen tissue samples and cell lines ♦ Genomic *DNA* Bisulfite treatment ♦ Total *RNA* extraction and purification from frozen tissue samples and cell lines ♦ Spectrophotometric analysis (using *Nanodrop*)

LANGUAGE

English, *fluent* ;

- **OET** Reading B, Listening A, Speaking B, Writing B - November 2019
- **General IELTS** 7.5 – June 2018

Arabic, *native* ; **Japanese**, **French**, **Kurdish**, *basic competence*

COMPUTER

SPSS and **R language** statistical analysis software

PC and **Microsoft office** proficient

BIBLIOGRAPHY

Khamas A, Ishikawa T, Mogushi K, Iida S, Ishiguro M, Tanaka H, Uetake H, Sugihara K, 2012, *Genome-wide screening for methylation- silenced genes in colorectal cancer*, "published", International Journal of Oncology, 41: 490-6.

Khamas A, Ishikawa T, Shimokawa K et al, 2012, *Screening for epigenetically masked genes in colorectal Cancer using 5-aza-2'-deoxycytidine treatment, Microarray and Gene Expression Profile*, "published", Cancer Genomics and Proteomics, 9: 67-75

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Khamas A, Ishikawa T, Mogushi K, Iida S, Ishiguro M, Tanaka H, Uetake H, Sugihara K, 2013, *Promoter Methylation of Leukemia Inhibitory Factor Receptor (LIFR) Gene in Colorectal Carcinoma: A Validation Study*, "Manuscript"

Khamas A, 2017, *Methylation markers in colorectal cancer: Current updates and future prospective*, "Abstract", AACR International Conference on New Frontiers in Cancer Research, Cape Town, SOUTH AFRICA, 2017