SHAHRAM AGAH

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I am a senior consultant gastroenterologist and professor of medicine and gastroenterology/ hepatology at the Iran University of Medical Sciences, Tehran, Iran with 24 years of experience in both clinical and academic fields. My clinical achievements are the high-quality patients’ care of more than 40000 patients in public and private hospitals and my private clinic, the invention of devices and methods, performing advanced interventional endoscopies, clinical leadership of hospital wards, medical teams and my private clinic, awarded Royal Australasian College of Physician approval (limited registration) two times for advanced interventional fellowships. My expertise in the academic position is more than 150 published papers in peer-reviewed high impact journals, 6 books, 6 under reviewed papers with an h-index of 30 and more than 2000 citations with exponential growth in the recent five years, founder and leader of Colorectal Research Centre (CRRC), multiple local and national scientific awards, 40 research grants (6 of them are prizes for my high-quality paper publications, high citations, and h-index (recently)), academic leader or expert member on some national decision-making organizations, committees and in my university, speaker, panelist, or poster presenter in more than 40 international conferences, Conducting interviews with media outlets such as radio, newspapers, and magazines, editor and reviewer of more than 200 papers in highly prestigious journals and established an extensive national and international research network with top researchers (most of them are recent). I have also trained more than 1900 students (30 gastroenterology and hepatology fellows, 228 internal medicine registrars (residents), 556 Interns, and 1112 medical students).

# Education

During every year of my education, I have been recognized as an outstanding student and trainee and have received many scientific awards and national prizes for my high distinction levels of graduation under the supervision of highly regarded scientists and specialists.

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| **Tehran university of medical sciences, The highest ranked gastroenterology centre in Iran**Tehran, Iran (1999-2002)Fellowship in Gastroenterology and Hepatology |
| **Shiraz University of Medical Sciences, The highest ranked in clinical education in Iran**Shiraz, Iran (1995-1998**)**Specialty in General (Internal) Medicine**Shiraz University of Medical Sciences, The highest ranked in clinical education in Iran**Shiraz, Iran (1988-1995) Medical DoctorA period of internship from Mar 1993 to Sep 1995 was included.**Professional development****Lyell McEwin hospital**South Australia, Australia (Feb2021-May2021) Preceptorship in liver and pancreas diseasesAs an international medical graduate, I had been approved and registered by the Royal Australasian College of Physicians and the Australian Health Practitioner Regulation Agency before commencement of practice.**Westmead hospital,** |

Sydney, Australia (Sep2017-Jan2018)

Preceptorship in advanced endoscopy (Endoscopic Mucosal Resection)

I had been approved and registered by the Royal Australasian College of Physicians and the Australian Health Practitioner Regulation Agency before commencement of practice.

## Klinikum Chemnitz

Chemnitz, Germany (Mar2003-Jun2003)

Preceptorship in advanced endoscopy (Endosonography and Endoscopic Retrograde Cholangiopancreatography)

Certification received

# Honors and Awards

* 2022, Top researcher of the year with an H-index≥15 award at Iran University of Medical Sciences.
* 2022, Top researcher of the year award at Rasoule-e-Akram hospital.
* 2022, Chosen as a member of referee committee of 28th Razi Medical Sciences Research Festival
* 2002- Now, Totally received grants 4263 M Rls (142100 AUD) for all my research up to now and another 1950 M Rls (65000 AUD) ongoing from various sponsors. (30000 Rls~ 1 AUD). Among my recent grants, six are prizes for my high-quality publications, citations, and h-index. The titles of 10 recent grants are below.

2021-2022, Design, fabrication and application of a sensitive nanobiosensor based on graphene nanocomposite to detect oncogenic miRNAs in plasma samples of colorectal cancer patients.

2021-2022, A review of the importance and potential applications of non-coding RNAs as drug targets, focusing on gastrointestinal cancers: A systematic review 2021-2022, Study of immunologic, diagnostic and therapeutic approaches of tumor neoantigens in gastrointestinal cancers: A systematic review

2021, 5-year survival rate and affecting factors in hepatocellular carcinoma patients: A retrospective analytical study

2020-2021, Comparison of epidemiological characteristics, clinical and laboratory findings, clinical outcomes and determination of the most important independent factors predicting the severity of coronavirus-infected disease 2019 (COVID-19) in patients with gastrointestinal symptoms and without gastrointestinal symptoms.

2019-2021, Evaluation of the expression pattern of stemness and self-renewal associated microRNAs and lncRNAs in exosomes derived from cancer stem cells and plasma samples of patients with colorectal cancer.

2019-2021, Evaluation and Application of a Comparable Software for Esophageal Abnormality using Image Processing.

2019-2021, Evaluation of synergistic effect of probiotic Lactobacillus spp. on ERK and Wnt signaling pathway genes in colorectal cancer cell lines.

2019-2021, Designing a biosensor to evaluate the methylation status of one of epigenetic markers used in screening for colorectal cancer.

2019-2020, Can prebiotics probiotics and synbiotics supplementation effectively reduce functional dyspepsia parameters: A systematic review of randomized controlled trials?

* 2001- Now, 152 published papers in peer-reviewed high impact journals, 6 books, 6 under reviewed papers with an h-index of 29 and more than 2000 citations.
* 2001- Now, Supervising and advising of more than 90 medical students, residents, fellows, PhD, and MS students’ Theses.
* 2017, Top research centre award of the year as the leader of colorectal research centre.
* 2017, Director of the first Iranian Advanced Therapeutic Endoscopy Postgraduate course and workshop (endorsed by the World Endoscopy Organization) ( Endoscopy Training Department of Rasoule-e-akram Hospital)
* 2016, Director of the first International Endoscopy Basic Training Workshop (Animal Laboratory, Rasoule-e-akram Hospital)
* 2016, Director of the First international Endoscopy and Rectosigmoidoscopy Basic Training Workshop (Endoscopy Training Department of Rasoule-e-akram Hospital)
* 2016, Top researcher award of the year in the first festival of introducing the top researchers at Rasoule-e-akram Hospital.
* 2001-Now (except 2017), Scientific committee’s member and keynote speaker of Annual Iranian International Congress of Gastroenterology and Hepatology
* 2015, Scientific secretary and keynote speaker of the first national traditional medicine in gastroenterology.
* 2014, Invention of a method: Central Venous Pressure (CVP) catheter for large-volume paracentesis in refractory ascites alongside a special bag to collect the ascites fluid.
* 2013, Invention of a device for fixing Percutaneous Endoscopic Gastrostomy (PEG) for prevention of undesired extraction.
* 2001, Awarded the second rank in the “Iranian National Board of Gastroenterology and Hepatology” among all gastroenterology and hepatology advanced trainees by the health and medical education minister.
* 1999, Awarded the second rank in gastroenterology and hepatology advanced trainee’s national entrance exam.
* 1998, Awarded the second rank of “Iranian National Board of General Internal Medicine” After 3 year’s post-graduate course among all registrars by the health and medical education minister.
* 1995, Awarded as the top one percent of medical students in Iran and permitted to sit the National Medical Specialty Entrance Exam.
* 1995-1998, Awarded the first rank in the yearly national promoted exams in 3 sequential years of Internal Medicine Specialty course.
* 1994, Awarded the second rank among all medical students (430 participants) at Shiraz University of Medical Sciences.
* 1991, Awarded the first rank among all medical students (more than 15000 participants) in National Comprehensive Basic Science exam by the university president.

# Clinical/Interventional and Academic Skills

As a senior staff gastroenterologist in the public and private sectors and a professor of medicine at Iran University of Medical Sciences, my expertise can be divided into two fields, clinical/interventional and academic.

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| **Clinical/ Interventional Skills** | **Academic Skills** |
| Management of all the diseases in the field of general medicine especially gastroenterology and hepatology diseases, mostly involved in the management of the inflammatory bowel disease (IBD), functional gastrointestinal disorder, Helicobacter pylori infection, liver diseases and early detection and treatment of precancerous lesions.Performing diagnostic and therapeutic upper gastrointestinal endoscopy- Polypectomy, control of gastrointestinal (GI) bleeding with injection and cautery, argon plasma coagulation, Hemoclips, Hemospray, Stricture dilation, the placement of stent, Pneumatic dilation of achalasia, percutaneous endoscopic gastrostomy(PEG) | Teaching- Clinical and theoretical aspectsDemonstrated commitment to teaching and supervision Supervising and advising theses Conducting collaborative research projectsData gathering, analysis, scientific writingLeading research teams translating the medical research to clinical practiceAuthorising books Authorising articles Poster presentation, oralpresentation and panel discussion |

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| Performing diagnostic endoscopic ultrasound (EUS) Performing therapeutic EUS including fine needle aspiration (FNA), cystogastrostomy…Performing diagnostic and therapeutic endoscopic retrograde cholangiopancreatography (ERCP)* Stent placement, removal of stone, dilation of strictures

Performing diagnostic and therapeutic lower gastrointestinal endoscopy (colonoscopy)* GI bleeding control, dilation of strictures, polypectomy, endoscopic mucosal resection (EMR), the placement of stents

Performing FibroScanPerforming oesophageal and anorectal manometry* Supervising the specialist nurse performance and analysing the results

Performing oesophageal pH monitoring* Supervising the technician and the report and analysing the results

Performing push-type jejunoscopy Performing anal fissure botulinum injection Performing image guided liver biopsyPerforming diagnostic and therapeutic abdominal paracentesisHigh level of interpersonal and communication skills Demonstrated ability to work within a multidisciplinary teamDemonstrated ability to lead medical teamsExperience and involvement in quality assurance activities and evidence-based best practice. | Editor and reviewer of journals Microsoft officeSPSS analysis of data |

# Job Experiences

## Iran University of Medical Sciences

Tehran, Iran (2002- Now)

Senior consultant in gastroenterology/hepatology (Assistant professor 2002-2008, associate professor 2008-2015 and professor 2015-now)

As a senior consultant in gastroenterology and hepatology, I am responsible for two main areas, academic and clinical experience. My responsibilities are described below.

## Clinical Responsibilities

* Visiting up to 12 patients/week/roster and discussing their details of approach and management to learners at gastroenterology and hepatology clinic. This clinic is at Rasoule-e-akram Hospital and 4 medical students, 1 intern, 1 general medical registrar (resident) and 1 advanced trainee in gastroenterology/hepatology participate in this visiting.
* Daily visiting, assess and review gastroenterology patients on an outpatient and inpatient basis as needed in internal medicine, gastroenterology, surgery wards and intensive care unit (ICU).
* Ordering medical treatment, lab data and imaging studies and determination of care plan and effective bed management and discharge planning for relevant inpatients.
* Visiting patients in emergency room and decision-making regarding admission in ward and ICU or outpatient follow-up.
* Offer consultations and clinical liaisons in gastroenterology to all Rasoule-e-akram Hospital especially laparoscopic surgery, colorectal surgery and general medical ward accompanied by general medical registrars and GI advanced trainees in order to teach clinical approach and management.
* At least 5 overnights on-call rosters per month from 2 PM to 8 AM of the next day. During on- calls, answering registrars and advanced trainees on phone, ordering medical management and discussing about GI patients’ therapy plan and helping them in decision-making, presenting at hospital in order to visiting urgent patients and performing and supervising emergency procedures like endoscopy and colonoscopy, in most cases of GI bleeding and foreign body’s swallowing.
* Performing inpatient and outpatient gastroscopy/colonoscopy/ ERCP/EUS (2 rosters per week) at Rasoul-e-akram Hospital, around 6-8 procedures in each roster, upper and lower manometry up to 6 procedures per month. The continuity of care for admitted patients requires close collaboration with other specialists.
* Leading the gastroenterology department of Rasoule-e-akram Hospital, particularly the endoscopy unit and provide effective leadership and support for the clinical staff
* Take an active role in planning and implementing therapy goals in multidisciplinary case conferences and with the patient.
* Provide professional support to clinical staff involved in gastroenterology care; supervise and provide performance feedback to residents and fellows in upper gastrointestinal endoscopy, colonoscopy, and ERCP for approximately 6 hours twice a week.
* Participate in strategic and financial planning processes at Rasoule-e-akram Hospital, endoscopy ward.
* Management of endoscopy ward
* Strengthen the gastroenterology services at Rasoule-e-akram Hospital.

## Academic Responsibilities

* Bed-side teaching for medical students, interns, registrars and GI advanced trainees 4 hours a week.
* Teaching patients’ clinical approach and treatment to medical students, general medicine registrar (residents) and fellows (advanced trainees) once per week in the school of medicine and morning reports at hospital.
* Participation and speaking in inter-disciplinary ward panel’s discussion every month.
* Teaching key points in order to prepare gastroenterology fellows and general medicine registrars for national board exams.
* Oral presentation and panel discussion in conferences.
* Facilitators of workshops such as endoscopy workshops for general medicine specialists and GI fellows.
* Develop and maintain a high standard of knowledge and expertise through participation in meetings and conference presentations for GI trainees, residents and undergraduate medical students.
* Teaching key points in exam preparation classes for registrar and advanced trainees every other week.
* Teaching gastrointestinal issues in classes for preclinical medical students (year 3 students) in two semester of a year at medical school. (Four hours each).
* Question making for national internal medicine and gastroenterology and hepatology board exams.
* Supervisor and co-supervisor of registrars of internal medicine, advanced trainees and fellows of gastroenterology/hepatology, medical students, masters and PhD theses.
* Actively participating or coordinating once weekly journal club.
* Coordinate an annual colonoscopy quality audit which is held in the endoscopy department.
* Leader of colorectal research centre.
* Implementing a gastroenterology fellowship training program for international/advanced fellows
* Member of the Board of Examiners for the promotion of and awarding of specialized certificates to general medicine registrars.
* Participation in the grant advisory committees of the university's research department as the leader of the colorectal research centre.

## Achievements Clinical achievements

* Performing more than 10000 procedures including: diagnostic gastroscopy, therapeutic gastroscopy, PEG insertion, oesophageal variceal band ligation, non-variceal bleeding control, gastroscopy and stent placement, bioenteric intragastric balloon (BIB) for obesity, gastric polypectomy, endoscopic dilation of oesophageal strictures, endoscopic foreign body removal, pneumatic dilation of achalasia, diagnostic colonoscopy, flexible sigmoidoscopy, colonoscopy

+ polypectomy or mucosectomy, colonoscopy and stent placement, ERCP, endosonography, image guided liver biopsy, ascitic tap, FibroScan and endoscopic mucosal resection (EMR).

* 2016, established the academic advanced endoscopic training course for internal medicine registrars and gastroenterologist in Rasoule-e-akram Hospital.
* 2015, established the first interdisciplinary Endoscopy ward (conjoint surgery and gastroenterology unit) in Rasoule-e-akram Hospital and purchased the newest and recent equipment to access the best gastroenterology and hepatology procedures.
* 2012, introduced the gastroenterology and hepatology fellowship program for the first time at Rasoule-e-akram Hospital in collaboration with two other specialists.
* 2006, it was the first time endosonography was performed at Rasoule-e-akram Hospital, endoscopy ward. This facilitates referrals of GI patients to this hospital for endosonography.
* 2003, it was the first time ERCP was performed at Rasoule-e-akram Hospital. This facilitates referrals of GI patients to this hospital for ERCP.

## Academic achievements

* 2002- Now, Totally received grants 4263 M Rls (142100 AUD) for all my research up to now and have another 1950 M Rls (65000 AUD) ongoing from various sponsors. (30000 Rls= 1 AUD). Among my recent grants, six are prizes for my high-quality publications, citations, and h-index.
* 152 published papers in peer-reviewed high impact journals, 6 books, 6 under reviewed papers with an h-index of 29 and more than 2000 citations. (https://scholar.google.com/citations?user=0U\_QKnQAAAAJ&hl=en). 24 of my publications are the results of international collaborations with great scientists from Australia, the USA, the UK, Germany, etc.
* 2016, Top researcher award of the year in the first festival of introducing the top researchers at Rasoule-e-akram Hospital.
* 2017, Top research centre award of the year as the leader of colorectal research centre.
* Editor and Reviewer of more than 200 papers in highly prestigious journals.
* 2001- Now, Supervising and advising of more than 90 medical students, residents, fellows, PhD, and masters’ Theses.
* 2006 and 2012, established two research centers in the field of gastroenterology.
* 2016 and 2013, the idea of one of my team’s published paper” The immunohistochemistry and toluidine blue roles for Helicobacter pylori detection in patients with gastritis. Iranian Biomedical Journal, 2013” has been used in the guideline of “Management of Helicobacter pylori infection—the Maastricht V/Florence Consensus Report” (one of the most famous consensus in the world for the treatment of this infection) also referenced as one of the Rodger

C. Haggitt Gastrointestinal Pathology Society’s recommendations.

* 2018 and 2020, a new standard for evaluating patients with gastrointestinal bleeding as a common emergency condition has been introduced in one of my team’s paper “Comparison of Glasgow-Blatchford score and full Rockall score systems to predict clinical outcomes in

patients with upper gastrointestinal bleeding; published in Clinical and Experimental Gastroenterology, 2016” has been referenced in “Asia-Pacific working group consensus on non-variceal upper gastrointestinal bleeding: an update 2018” (an important guideline in the world for gastrointestinal bleeding) and World Journal of Emergency Surgery Guidelines.

## Professor Shahram Agah’s Gastroenterology Clinic

Tehran, Iran (2004- Now)

Owner, chief executive officer and main consultant, Part time

## Responsibilities

* Leading GI Procedures & performance of the clinic, including quality of services and financial Performance.
* Visiting and managing outpatients 4 days a week between 5 to 10 PM.
* Performing GI endoscopy, sigmoidoscopy and total colonoscopy, Hydrogen Breath Test (HBT), Hemorrhoid Banding, botulinum toxin injection for anal fissures.
* Offer consultations and clinical liaisons in gastroenterology responding for referral patients with complex conditions from general practitioners and other specialists.
* Communicating with academic centres, referee Hospitals & performing clinical co-author research projects.

## Achievements

* Good quality care of patients.
* Performing about 100 GI procedures per month such as endoscopy, colonoscopy, polypectomy, Urea Breath Test (UBT) and HBT.
* Performing more than 16000 procedures up to now without any complications.
* Increasing access to the newest devices for performing GI procedures for those who need them in the shortest waiting list.
* Referral Facilities for all Iranians from all parts of Iran, and for those from other countries, particularly those in Iran's neighbourhoods.

## Erfan private hospital

Tehran, Iran (2008-now)

Share holder and Consultant specialist, part time

## Responsibilities

* Daily visiting inward patients, 1-2 hours per day
* Performing GI procedures in 3 rosters per week, afternoon rosters last 3 hours. These procedures include diagnostic and therapeutic gastroscopy and colonoscopy, ERCP, endoscopic ultrasound, ascitic tap, liver biopsy, FibroScan, oesophageal and anorectal manometry, botulinum toxin injection for the treatment of anal fissure or pelvic floor dysfunction and EMR.

## Achievements

* Visiting patients and responding to other specialist’s consultation for about 10 patients in each roster.
* Performing procedures for about 16 patients in each roster and 9203 GI procedures in total up to now. The procedures include : panendoscopy , PEG insertion or exchange, panendoscopy+ polypectomy, panendoscopy+ foreign body removal, pneumatic dilation for achalasia, panendoscopy+ stent placement, panendoscopy+ BIB insertion, oesophageal variceal band ligation, upper GI bleeding control, diagnostic colonoscopy, short colonoscopy, colonoscopy+ polypectomy, colonoscopy+ bleeding control, therapeutic ERCP, diagnostic endoscopic

ultrasound (EUS), EUS+ FNA, capsule endoscopy, liver biopsy, REMICADE infusion, botulinum toxin injection for Fissures, FibroScan and EMR.

# Inventions

**2013, Invention of a method: central venous pressure (CVP) catheter for large-volume paracentesis in refractory ascites.** Indian Journal of Gastroenterology. 33(4), 310-315 Implementation of a routine CVP line catheter as a non-tunneled catheter to drain ascites continuously and slowly during one or more than one day without a radiologic guide. A special bag is invented with a locked screw connection that can connect easily to the end of CVP fixed catheter and could be remain for a long period of time with the control of vital signs, electrolytes and urine output. The results of the research showed that this procedure is safe, easily tolerable and without risk of complications and infections even in draining of more than 30 liters during up to 7 days. This procedure is the combination of known previously device and newly innovated ones and could be very helpful in quality of life in cirrhotic patients with high amount ascites who are in waiting list for liver transplantation. This is a novel innovation of considerable significance with strong clinical application. This device has been produced commercially in Iran.

**2013, Invention of a device for fixing PEG (percutaneous endoscopic gastrostomy) for prevention of undesired extraction.** This device is the first invented one that has been made for this purpose in Iran. The patent certificate has been registered with the Iranian Real Estate and Deeds Registration Organization. Demonstration of the feasibility of a creative method for fixation of PEG in unconscious patients who are not able to eat orally by themselves. The demand of using PEG in chronically ill and debilitated patients, consequently, the risk of unintentionally removal of PEG by unconscious patients has increased these days. PEG holder is an invention for the prevention of undesired extraction of PEG. It has a round plate which fixed at the epigastric area at the hole which is made at the site of gastrostomy tube on the skin surface. The PEG tube pass through this plate and then locked by the second part of the holder which is located at the top of the first part. This invention is highly predicted to produce enormously for both national and export usage.

**Ongoing,** Recent success to develop a non-invasive and non-surgical method in the treatment of acute colonic pseudo-obstruction and neurogenic bowel, referred to as percutaneous endoscopic cecostomy (PEC). This new method has been performed for the first time in Iran. It is ready for submission in the next few months.

**Ongoing** investigation into a novel therapeutic approach to regenerate the oesophageal sphincter which has an important role in the permanent treatment of a common and lifelong disease called gastroesophageal reflux.

# International Clinical Collaborations

**2016, Gastroenterology department, RUSH University, Chicago, Illinois, USA**, hepatobiliary and therapeutic endoscopy.

**2016, Toho University, Tokyo, Japan**, Endosonography

**2016, Razavi Hospital, Mashhad, Iran**, International Endoscopic Ultrasound Congress.

**2015, The World Gastroenterology Institute and Endoscopy Asia**, Mumbai, India, diagnostic and therapeutic endosonography.

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# International Research Collaborations

**2019- 2022, the University of Adelaide, Australia,** analysis of data from the study on the epidemiology of psychological, alimentary health and nutrition (SEPAHAN) database to investigate “the association between dietary macronutrient intake and symptoms in uninvestigated dyspepsia, a population-based, cross-sectional study: suggestion of appropriate macronutrients by receiver operating characteristic (ROC) curve analysis”. The result has been published in Nutrients with impact factor of

5.429 in 2021-2022.

**2019-2021, the University of Adelaide, Australia,** collaboration in an invaluable Australian study “Comparative Effects of the Branched-Chain Amino Acids, Leucine, Isoleucine and Valine, on Gastric Emptying, Plasma Glucose, C-Peptide and Glucagon in Healthy Men.” Published in Nutrients 2021.

**2019- 2020, the University of Adelaide and the University of Newcastle, Australia,** a systematic review with meta-analysis: “Effects of probiotic supplementation on Symptoms in functional dyspepsia”. Dyspepsia is a very common worldwide and causes considerable social and economic burden. This invaluable systematic review which could be used in clinical guidelines published in journal of functional food with the impact factor of 3.19 in 2020.

**2019-2020, The Macquarie University, Australia,** “Survival analysis in Gastric Cancer”. This is a multi-centric study in Iran, published in BMC Surgery journal with impact factor of 1.730, a Q2 journal in 2020.

**2020- Ongoing, the University of New South Wales, Australia, “**Integrated bioinformatics approach to discovery and validation of miRNA biomarkers as diagnostic biomarkers in colorectal cancer.” (Manuscript of this research is currently in preparation for publication.)

**2019, the University of Adelaide, Australia, “**A novel therapeutic approach in the management of fecal incontinence arises from anal Sphincter injury”. It has showed the successful effects of co- application of laser and human adipose-derived stem cells (HADSCs) on anal sphincter recovery after injury. The finding was published in a high-quality peer-reviewed journal (2 Dec 2019 in Stem cell research & therapy with the impact factor of 4.62 in 2018/2019)

# Editor and Reviewer

## 2002- Now, Reviewing more than 200 papers.

* 2021- Now, Reviewer of Preventive Medicine Reports (impact factor: 2.5)
* 2021- Now, Editor of Journal of Current Oncology and Medical Sciences
* 2020- Now, Biomedicine & Pharmacotherapy (impact factor: 6.52)
* 2020-Now, Reviewer of PLOS ONE (impact factor: 3.75)
* 2020- Now, Reviewer of Clinical Nutrition (impact factor: 7.04)
* 2019- Now, Reviewer of BMC gastroenterology
* 2019- Now, Reviewer of BMC Complementary & Alternative Medicine
* 2019- Now, Reviewer of Dove Medical Press
* 2019- Now, Reviewer of Journal of Medical Physiology
* 2019- Now, Reviewer of Journal of Phytotherapy Research
* 2015- Now, Associate editor and reviewer of Middle East Journal of Digestive Disease
* 2008- Now, Reviewer of Medical Journal of Islamic Republic of Iran
* 2007- Now, Associate editor and reviewer of GOVARESH journal
* 2003- Now, Reviewer of Razi Medical Journal

# Memberships

* 2019 – Now, Member of Australian Neuro-Gastroenterology and Motility Association (ANGMA)
* 2018- Now, Member of SEPAHAN (The study on the epidemiology of psychological, alimentary health and nutrition)
* 2012, Now, Member and dean of Colorectal Research Centre (CRRC)
* 2012-2014, Member of Iran National Science Foundation, Scientific Committee
* 2001- Now, Member of AGA (American Gastroenterology Association)
* 2001- Now, Member of DDRI (Digestive Disease Research Institute)
* 2001- Now, Member of Iranian Association of Gastroenterology and Hepatology (IAGH)
* 1995- Now, Member of Iran Medical Council ( Registration No. 55317)

# Leading /Critical Responsibilities

* 2004-Now, Invited expert in evaluating committee for malpractice cases, Iranian Legal Medicine Organisation
* 2010- Now, Expert of the high disciplinary board and think tank of Iran Medical Council
* 2015-2016, Monitoring the data registration system for Inflammatory Bowel Diseases at the Digestive Diseases Research Institute
* 2014-2017, member of board of directors of Iranian Association of Gastroenterology and Hepatology.
* 2012-2014, member of the main board of directors of Iran National Science Foundation, evaluating the national research proposals and allocating funds for the best research projects. This organization has a national important role in promoting research and scholarships in science. All national proposals should be evaluated by the experts in different committees.
* 2009-2013, Ministry of Health and Medical Education.
	+ 2009- 2013, member of strategic planning committee in medical specialties
	+ 2011-2012, member of curriculum planning committee
* 2006-Now, Iran University of Medical Sciences.
	+ May 2022- Now, director of implementing fellowship program for international/advanced gastroenterology fellows.
	+ May 2022- Now, deputy dean of endoscopy ward
	+ 2016-2017, member of evaluation and accreditation team of Iran University of Medical Sciences
	+ 2015-2017, director of endoscopy ward
	+ 2013-2014, member of the Board of Examiners for the promotion of and awarding of specialized certificates to general medicine registrars.
	+ 2013-2015, member of medical school promotion committee, responsible for promotion assessment of faculty members of school
	+ 2012- Now, founder and director of colorectal research centre (CRRC)
	+ 2012- Now, member of the grant advisory committee
	+ 2006-2007, deputy dean, clinical education department, school of medicine.
	+ 2008-2009, director, educational developmental centre.
	+ 2011-2013, assistant president of specialty and subspecialty, education unit of school of medicine
	+ 2006- 2012, dean of gastrointestinal and liver disease research centre (GILDRC)
	+ 2007-2008, dean of school of medicine.

# Scientific Conference Responsibilities

2022 (26-28 July), scientific committee’s member of 8th Tehran Hepatitis Conference and 3rd Hepatitis Community Meeting.

2021, Member of Scientific Committee, Panel Speaker and Moderator of 21st International Iranian Congress of Gastroenterology and Hepatology

2001-Now (except 2017), scientific committee’s member, keynote and reviewer of International Iranian Congress of Gastroenterology and Hepatology

2017, Director of the first Iranian Advanced Therapeutic Endoscopy Postgraduate course and workshop (endorsed by the World Endoscopy Organization) (Endoscopy Training Department of Rasoule-e-akram Hospital)

2016, Director of the first International Endoscopy Basic Training Workshop (Animal Laboratory, Rasoule-e-akram Hospital)

2016, Director of the First international Endoscopy and Rectosigmoidoscopy Basic Training Workshop (Endoscopy Training Department of Rasoule-e-akram Hospital)

2015, scientific secretary and keynote speaker of 1st national traditional medicine in gastroenterology

# Social Media

2002- Now, I have had many short and long interviews which were published in scientific parts of popular newspapers, magazines, and websites also media articles in my LinkedIn profile. I also have been invited to speak on the radio. The main purposes have been the promotion of the general population information about the human gastrointestinal system, its diseases, prevention and management. This contributes to the ultimate goal of improvement in the broader community health. Examples are Radio Salamat (Health Broadcasting), Salamat (Newspaper in Persian), and Iran newspaper (Newspaper in Persian), Hamshahri (Newspaper in Persian), Sib (Newspaper in Persian), Iranian student’s news agency (I.S.N.A, newspaper in Persian), Khabar online (Online newspaper in Persian), Mehr agency (Newspaper in Persian) ([www.persianpersia.com/health](http://www.persianpersia.com/health)).

## 2021, examples of performed operations broadcasted in media

EMR (Gastrointestinal Endoscopic Mucosal Resection) on a known case of poorly controlled ulcerative colitis with a large adenomatous appearing lesion. (https://[www.linkedin.com/in/shahram-agah-20b04780/recent-activity)](http://www.linkedin.com/in/shahram-agah-20b04780/recent-activity%29)

 Endoscopic Ampullectomy following diagnosis of an adenoma of ampulla in a patient with a history of attenuated familial adenomatous polyposis (FAP). (https://[www.linkedin.com/in/shahram-agah-20b04780/recent-activity)](http://www.linkedin.com/in/shahram-agah-20b04780/recent-activity%29)

EMR for the resection of a 12-mm duodenal subepithelial lesion. (https://[www.linkedin.com/in/shahram-agah-20b04780/recent-activity)](http://www.linkedin.com/in/shahram-agah-20b04780/recent-activity%29)

Placement of the pyloroduodenal stent with endoscope to resolve the gastric outlet obstruction in a patient with gastric cancer. (https://[www.linkedin.com/in/shahram-agah-20b04780/recent-](http://www.linkedin.com/in/shahram-agah-20b04780/recent-) activity)

Endoscopic piecemeal resection of a 30-ml laterally spreading tumor in the distal transverse colon. (https://[www.linkedin.com/in/shahram-agah-20b04780/recent-activity)](http://www.linkedin.com/in/shahram-agah-20b04780/recent-activity%29)

EMR procedure on a 35 mm sessile polypoid lesion of the left colon with a pathology report of adenoma with high-grade dysplasia (https://www.linkedin.com/in/shahram-agah-20b04780/recent-activity/)

# Research Interests

Colorectal disease (colorectal cancer and IBD), Helicobacter pylori, liver disease, and functional GI disorder.

# Publications

## Published Paper

1. Ghafari, F., Alizadeh, A.M., **Agah, S**., Irani, S. and Mokhtare, M., 2022. Insulin-like growth factor 1 serum levels in different stages of gastric cancer and their association with Helicobacter pylori status. Peptides, 158, p.170892.
2. Azad, M.A.K., Faghankhani, M., Asadi, A., Golalipour, E., Shariat, S.V., Naserbakht, M., Bahador, H., **Agah, S**., Ansari, G., Barzkar, F. and Baradaran, H.R., 2022. The Effects of an Empathic Communication Workshop on Internal Medicine Residents’ Self-Perceived Empathy and Their Patients’ Perception of Physician’s Empathy: A Single-Group Experimental Study. Medical Journal of the Islamic Republic of Iran, 36, pp.137-137.
3. Ghafari, F., **Agah, S**., Irani, S., Mokhtare, M. and Alizadeh, A.M., 2022. Relationship between demographic and pathological characteristics on the 5-year survival rate of gastric cancer patients in Tehran province. Tehran University Medical Journal TUMS Publications, 80(8), pp.670-678.
4. **Agah, S**., Aminianfar, A., Hassanzadeh Keshteli, A., Bitarafan, V., Adibi, P., Esmaillzadeh, A. and Feinle-Bisset, C., 2022. Association between Dietary Macronutrient Intake and Symptoms in Uninvestigated Dyspepsia: Evidence from a Population-Based, Cross-Sectional Study. Nutrients, [online] 14(13), p.2577. Available at: <https://[www.mdpi.com/2072-6643/14/13/2577>](http://www.mdpi.com/2072-6643/14/13/2577).
5. Iravani Saadi, M., Salami, J., Abdi, H., Kheradmand, N., Nabi Bdolyousefi, E., Torkamani, M., Karimi, Z., **Agah, S**., Rahimian, Z. and Manafi, A., 2022. Expression of interleukin 1, interleukin 27, and TNF α genes in patients with ischemic cardiomyopathy versus idiopathic dilated cardiomyopathy: A case‐control study. Health Science Reports, [online] 5(4). Available at: <https://doi.org/10.1002/hsr2.701>.
6. Akbari, A, Ashtari, S, Tabaiean, SP, Mehrdad-Majd, H, Farsi, F, Shojaee, S & **Agah, S**., 2022, ‘Overview of epidemiological characteristics, clinical features, and risk factors of gastric cancer

in Asia-Pacific region’, Asia-Pacific Journal of Clinical Oncology. Available at: https://onlinelibrary.wiley.com/doi/pdf/10.1111/ajco.13654

1. Eshkiki, Z.S., **Agah, S**., Tabaeian, S.P., Sedaghat M, Dana F, Talebi A, Akbari A, 2022. Neoantigens and their clinical applications in human gastrointestinal cancers. World Journal of Surgical Oncology 20, 321. Available at: https://doi.org/10.1186/s12957-022-02776-y
2. Alemrajabi, M., Akbari, A., Sohrabi, S., Rezazadehkermani, M., Moradi, M., **Agah, S**. and Masoodi, M., 2022. Simple mucopexy and hemorrhoidal arterial ligation with and without Doppler guide: a randomized clinical trial for short-term outcome. Annals of Coloproctology,. Available at: [https://coloproctol.org/upload/pdf/ac-2022-00017-0002.pdf.](https://coloproctol.org/upload/pdf/ac-2022-00017-0002.pdf)
3. Mohseni, F., **Agah, S**., Ebrahimi-Daryani, N., Taher, M., Nattagh-Eshtivani, E., Karimi, S., Rastgoo, S., Bourbour, F. and Hekmatdoost, A., 2022. The effect of low FODMAP diet with and without gluten on irritable bowel syndrome: A double blind, placebo controlled randomized clinical trial. Clinical Nutrition ESPEN, 47, pp.45-50. Available at: <https://pubmed.ncbi.nlm.nih.gov/35063241/>.
4. Talebi, A., Borumandnia, N., Doosti, H., Abbasi, S., Pourhoseingholi, M., **Agah, S**. and Tabaeian, S., 2022. Development of web-based dynamic nomogram to predict survival in patients with gastric cancer: a population-based study. Scientific Reports, 12(1). Available at: <https://pubmed.ncbi.nlm.nih.gov/35301382/>.
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## Under Review Papers

* Sogand Vahidi, **Shahram Agah**, Ebrahim Mirzajani, Seyedeh Elham Norollahi, Morteza Rahbar Taramsari, Ali Akbar Samadani, Impressive fluctuating association of microRNAs, oxidative stress and genotoxicity in the pathobiology of cancer development. *Pharmacology*
* Hossain Ali Hossain Ali, Mahdiyar Iravani Saadi; Mani Ramzi; Maryam Aahmadyan; Fatemeh Mardani Valandani; Nadiya Kheradmand; Zahra Rahimian; **Shahram Agah**; Zahed Karimi; Maryam Owjfard. Relation between the expression level of miR-155, miR-1275 and Hepatitis B infections in hematopoietic stem cell transplant recipients and its relation with graft-versus-host disease. *Journal of Clinical Virology.*
* Mahdiyar Iravani Saadi; Mitra Moradi; Fatemeh Mardani Valandani, Mardani; Esmat Noshad; Maryam Aahmadyan; **Shahram Agah**; Zahed Karimi; Ahmad Niknam; Nadiya Kheradmand, Probiotics and Relationship Between Probiotics and Hematologic Malignancies. Journal: *Leukemia and Lymphoma*
* Ali Mohammad Alizadeh, Meysam Soleymani; Solmaz Khalighfard; Mohammad Velashjerdi; Saeed Khodayari; Hamid Khodayari; **Shahram Agah**, Folic acid-conjugated dextran-coated Zn0.6Mn0.4Fe2O4 nanoparticles as systemically delivered nano heaters with self-regulating temperature for magnetic hyperthermia therapy of liver tumors, Journal: *Colloids and Surfaces B: Biointerfaces.*
* Mahdiyar Iravani Saadi, Esmat Noshadi; Maryam Aahmadyan; Fatemeh Mardani Valandani; Nadiya Kheradmand; Mehran Karimi; Sezaneh Haghpanah; Mani Ramzi; Amir Ali Hamidieh; **Shahram Agah**; Sina Vakili, Expression of MiR-222 and MiR-15a in Patients with Transfusion-Dependent Thalassemia and its Association with Torque Teno Virus and Cytomegalovirus Infections, Journal: *Infection, Genetics and Evolution*.

## Books

* Gastrointestinal polyps, approach, diagnosis and treatment, 2016, **Shahram Agah MD**, Zhahedin Kheiri MD, Sadegh Ghafoori MD
* Simply Gastrointestinal diseases, 2013, Seyed-ali Jalali MD, Shahram Agah MD
* Simply liver, Gall bladder, and Bile duct diseases, 2012, Seyed-ali Jalali MD, **Shahram Agah MD**
* Mobile-based Learning (An Innovative Educational Method), 2009, Hamidollah Bahador MD, Mehran Kamkarhaghighi M.SC, **Shahram Agah MD**
* Guide and nutrition training in Chronic liver failure (cirrhosis), 2020, Farnaz Farsi, Mehrnaz Morvaridi, Pejman Alavinejad MD, **Shahram Agah MD**, Amirhossein Faghihi-kashani MD, Alimohammad Rafat-zand
* Research method, applied principles and design studies in biomedical and clinical research 2020, **Shahram Agah MD**, Mansur Bahardoost, Zahra Bagheri- Hosseinabadi

## National & International Conferences, Oral Presentations and Posters

1. 2022 (26-28 July), Invited speaker, “Preventive Strategies” in 8th Tehran Hepatitis Conference and 3rd Hepatitis Community Meeting.
2. 21 Jul 2022, Invited speaker: IBD and Colon Cancer, Extraintestinal manifestations in IBD, sponsored by Liver and Gastrointestinal Diseases Research Centre, Tabriz University of Medical Sciences and Tasnim (Pharmaceutical Co.)
3. 2, 3 Jun 2022, Invited speaker in panel discussion: pelvic floor diseases and incontinence, the 13th Annual Colorectal Conference, , sponsored by Shiraz University of Medical Sciences
4. Annual one or two oral presentation and/or panel member in Iranian International Congress of Gastroenterology and Hepatology (ICGH) sponsored by Iranian Association of Gastroenterology and Hepatology (IAGH) from 2003 up to now (except 2017) and at least one Poster Presentation in these international congresses. The latest one: Nov 2021, panel moderator and panelist: Nutritional Strategies in Dyspepsia and Management of difficult Polyps, 21st Iranian International Congress of Gastroenterology and Hepatology (ICGH) sponsored by Iranian Association of Gastroenterology and Hepatology (IAGH)
5. 8 May 2022, Invited Speaker: Approach to lower Gastrointestinal Bleeding, Virtual education program ( A national program to enhance practitioners' knowledge) Iran Medical Council
6. 19 Mar 2022, Invited Speaker: Use of Electrosurgical Unit in Australia: a practical approach in the national webinar of Electrosurgery in Gastroenterology, sponsored by Iran Medical Council
7. 30 Dec 2021, Invited speaker: New aspects in management of functional gastrointestinal disorder in the national webinar of “Best of ACG (American College of Gastroenterology) 2021”, sponsored by Orchid Pharmed
8. Poster presentation: Merat S, Sharifi A, Shayesteh A, Minakari M, Fattahi M, Moini M**, Agah S**, and et al. Apr 2019. The combination of sofosbuvir and daclatasvir is well tolerated and extremely effective in treating patients with hepatitis C with severe renal impairment including hemodialysis patinets. Journal of Hepatology. 70(1):e233. EASL 2019
9. Video oral presentation: Polypectomy and EMR “16th International Conference on Gastroenterology and Digestive Disorders” (Gastro Meet 2018) on August 06-07, 2018. Abu Dhabi, UAE
10. Video oral presentation: How to manage difficult polyps? 17th International Conference on Gastroenterology and Hepatology during September 03-04, 2018, Dubai, UAE
11. Poster presentation: Khalighi sikaroudi M, Shidfar F, Mokhtare M, Faghihi Kashani AH, Masoodi M, **Agah S**, Jannani L, Abbaspour N., 2018. Effects of supplementation with vitamin D on clinical symptoms, quality of life , anxiety, serum serotonin, 5-hydroxy-indole acetic acid and ratio of 5-HIAA/5-HT in patients with diarrhea predominant IBS Govaresh/Vol23/Suppl/Autumn, ICGH Tehran, Iran
12. Poster presentation: Merat S, Pustchi H, Sharifi AH, Hajiani E, Gharavi A. **Agah S**, 2018, SD 1000: High sustained viral response rate in 1380 patients with hepatitis C using a fixed-dose combination tablet of sofosbuvir and daclatasvir (sovodak) a multicenter phase 3 clinical trial: Govaresh, Vol.23(S) Automn, Available at: https://iaghcongress.org/en/articleitem/a8458248- 3373-4a8c-8393-2dd3a8da72d3
13. Invited speaker: Iranian Advanced Therapeutic Endoscopy Postgraduate course and Workshop (endorsed by WEO): 26-28 April 2017, Tehran, Iran
14. Poster presentation: Mokhtare M, **Agah S**, Sheykhvatan M, Boghratian AH., 2017. The efficacy and tolerability of mebeverine in irritable bowel syndrome: a systematic review and meta-analysis of clinical trials (2667598), Digestive Disease Week 2017, Chicago, IL, USA, May 6-9
15. Poster Presentation: Basiri B, Vali M, **Agah S**., 2017. Classification of Normal and Dysphagia in Patients with GERD Using Swallowing Sound Analysis. Artificial Intelligence and Signal Processing Conference (AISP) 978-1-5386-2585
16. Poster Presentation: **Agah S**, Najafi M, Tavakoli S, Nikbakht H., Mar 2013, Non-tunneled central vein catheter for refractory ascites drainage, Journal of Clinical and Experimental Hepatology, Vol. 3(1S), S82-S100
17. 2013- Now (not including the time I have been in Australia), Invited speaker: as a member or coordinator of panels: Monthly Scientific Conferences sponsored by IAGH or Scientific Branch of Pharmaceutical companies.
18. Invited speaker: Management of Esophageal and Gastric varices: MENA 2012 summit, Beirut, Lebanon,
19. Poster Presentation: Riahizadeh S, **Agah S**, Zendehdel N, Malekzadeh R, Sotoudehmanesh R, Ebrahimi-Dariani N, Vahedi H, Khatibian M, Mikaeli J, Pourshams A, Massart S., Apr 2008. Metronidazone Furazolidone-or, Regimen for Eradication of Helicobacter pylori in Clarithromycin-Furazolidone-or, Clarithromycine-Based Peptic Ulcer Disease. Gastroenterology. A-622, Available at: [https://www.gastrojournal.org/article/S0016-](https://www.gastrojournal.org/article/S0016-5085%2808%2962905-4/fulltext) [5085(08)62905-4/fulltext](https://www.gastrojournal.org/article/S0016-5085%2808%2962905-4/fulltext)
20. Poster Presentation: Zendehdel N, Sotoudehmanesh R, **Agah S**, Mikaeli J, Pourshams A, Khatibian, Ali Asgari A, Massarrat S., Apr 2006. Effect of 2 weeks furazolidone-or 2 weeks the metronidazole-or combination of, 1week furazolidone+ 1-week metronidazole-based anti- Helicobacter pylori. Gastroenterology, Vol: 130 (4), A93-A93
21. Poster presentation: Malekzadeh R, Mirmadjlesi H, Varshoesaz J, **Agah S**, Tavakoli H., Apr 2000. Rising the incidence of Crohn's disease in Iran during last decade (1989–1999). Gastroenterology. Vol.118(4), PA1356

# General interest

Movies, Music, Soccer