

BIOGRAPHICAL SKETCH

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NAME Reza Malekzadeh	POSITION TITLE Professor of Medicine		
eRA COMMONS USER NAME (credential, e.g., agency login)	Director Digestive disease research Institute . Tehran university of Medical sciences		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Shiraz University	MD	1979	Medicine
Shiraz University	Specialty	1983	Internal Medicine
Shiraz University	Subspecialty	1987	Gastroenterology

A. Personal Statement

I am Professor and the Director of Digestive Disease Research Institute of Tehran University of Medical Sciences, Tehran, Iran. I have supervised and conducted several epidemiological and clinical studies. I have established the first large-scale cohort study in the Middle East and North Africa (the Golestan Cohort Study). I have successfully secured internal and external funding for this large study and several other studies. I have been initiator of several collaborative studies with national and international institutions within the Golestan Cohort or as independent studies. As cardiovascular disease (CVD), cancer and other chronic diseases are the leading causes of morbidity and mortality in Fars and Golestan Province and in whole Iran, I have been interested in investigating the environmental and the genetic risk factors of metabolic syndrome. For this reason, in the Pars (Southern Iran) and Golestan (Northern Iran) Cohort Studies and several other studies being conducted in my center, we have collected detailed data and biological samples from cohort subjects and patients with cancer, CVD, chronic liver disease especially HBV, NAFLD/NASH.

B. Positions and Honors

1985: Visiting fellow; Department of Gastroenterology, Royal Free Hospital, London U.K.
1983 – 1987: Assistant Professor of Medicine, Department of Medicine, Shiraz University
1983 – 1984: Vice Chancellor of Shiraz University, Iran
1988: Associate Professor of Medicine, Department of Medicine, Shiraz University of Medical Sciences (SUMS)
1988-1989: Chairman of the Department of Internal Medicine, Medical School, SUMS.
1992 up to now: Professor of Medicine, Department of Internal Medicine, Tehran University of Medical Sciences (TUMS)
1990 – 1993: Counselor of the Iranian Council of Medical Specialty Training
1991 up to now: Secretary of the Iranian Society of Gastroenterology and Hepatology
1992 up to now: Chief of the Gastroenterology Section, Shariati Hospital, TUMS
1992 up to now: Director of the Digestive Disease Research institute, Shariati Hospital, TUMS
1997 – 2000: Chairman of the Department of Internal Medicine, TUMS
1994 up to now: Member of the American Gastroenterology Association (AGA)
1996 up to now: Member of the European Association for Gastroenterology & Endoscopy (EAGE)
1996 up to now: Permanent Member of the Iranian Academy of Medical Sciences
2001 up to now: Member of the American Society for Gastrointestinal Endoscopy (ASGE)
2003 – 2010: Vice President for Research Iranian Academy of Medical Sciences
2006 – 2010: President of the Iranian College of Internal Medicine
2005 up to now: Fellow Third world Academy of Science (TWAS)
2006 up to now: Fellow American Gastroenterology Association (AGAF)

Editor in Chief, Archives of *Iranian Medicine* (English); Chairman of the Board of Editorial Consultants, *Nabz Journal* (Persian); Referee, *World Journal of Gastroenterology and Alimentary Pharmacology and Therapeutic*;

member of the Editorial Board of *Medical Journal of Iranian Council* (Persian), *Govaresh Journal* (Persian); *Liver International*; Editor in Chief of the quarterly journal, *The latest in Internal Medicine* (Persian) and *Middle East Journal of Digestive Diseases* (English).

1972: Top High School Graduate of Fars Province, Iran

1980: Top Medical School Graduate, Shiraz University

1987: Distinguished Achievement Award by the Ministry of Culture and Higher Education for three years of valuable service as Chancellor of Shiraz University

1993: Distinguished Achievement Award by President of Iran for four years of valuable service in the Ministry of Health and Medical Education

2002: Razi Award for editorship of Archives of Iranian Medicine as the best Iranian Medical Journal.

2003: Avicenna award from Tehran University Medical Science (TUMS) for establishing the best Research center, Digestive Disease Research Center (DDRC).

2003: Permanent Personages Award in the Third Permanent Personages (Chehrehaye Mandegar) session [This national award is given to the most outstanding and memorable characters in Iran].

2004: Distinguished Researcher Award from Ministry of Science and Technology of Iran.

2007: Razi Award for being Selected as the Top Clinical scientist of Iran.

2008: Selected By TUMS as Distinguished Professor of Medicine.

2008-2009: Razi award by Iranian president as the first rank clinical sciences in Iran.

2011: Included in top 1% world highly cited scientist in the clinical Medicine in Essential Science Indicators.

2011: Highest International Prof. Yalda Award for Distinguished Teaching, Research, Ethical and Responsibility in Medical Sciences.

2012 : Allameh Tabatabaei Award by Iranian Elite Foundation for achievement as the First Clinical Scientist ranked in 1% ESI.

2015: National cancer Award by from Ministry of Health and Medical Education

C. Selected Peer-reviewed Publications (from 440 Pubmed published paper)

Publications: I have published more than 500 papers in peer review Journals few recent publications

Are as follow :

1-Mitter SS, Vedanthan R, Islami F, Pourshams A, Khademi H, Kamangar F, Abnet CC, Dawsey SM, Pharoah PD, Brennan P, Fuster V, Boffetta P, **Malekzadeh R**. Household Fuel Use and Cardiovascular Disease Mortality: Golestan Cohort Study. *Circulation*. 2016 Jun 14;133(24):2360-9

2-Etemadi A, Khademi H, Kamangar F, Freedman ND, Abnet CC, Brennan P, **Malekzadeh R**; Golestan Cohort Study Team. Hazards of cigarettes, smokeless tobacco and waterpipe in a Middle Eastern Population: a Cohort Study of 50 000 individuals from Iran. *Tob Control*. 2016 Nov 21

3-Madjd A, Taylor MA, Shafiei Neek L, Delavari A, **Malekzadeh R**, Macdonald IA, Farshchi HR. Effect of weekly physical activity frequency on weight loss in healthy overweight and obese women attending a weight loss program: a randomized controlled trial. *Am J Clin Nutr*. 2016 Nov;104(5):1202-1208

4-Salimzadeh H, Bishehsari F, Amani M, Ansari R, Sotoudeh M, Delavari A, **Malekzadeh R**. Advanced colonic neoplasia in the first degree relatives of colon cancer patients: A colonoscopy-based study. *Int J Cancer*. 2016 Nov 15;139(10):2243-51

5-Armengol G, Sarhadi VK, Ghanbari R, Doghaei-Moghaddam M, Ansari R, Sotoudeh M, Puolakkainen P, Kokkola A, **Malekzadeh R**, Knuutila S. Driver Gene Mutations in Stools of Colorectal Carcinoma Patients Detected by Targeted Next-Generation Sequencing. *J Mol Diagn*. 2016 Jul;18(4):471-9

6-Eslamparast T, Sharafkhah M, Poustchi H, Hashemian M, Dawsey SM, Freedman ND, Boffetta P, Abnet CC, Etemadi A, Pourshams A, Malekshah AF, Islami F, Kamangar F, Merat S, Brennan P, Hekmatdoost A, **Malekzadeh R**. Nut consumption and total and cause-specific mortality: results from the Golestan Cohort Study. *Int J Epidemiol*. 2016 Mar 5. pii: dyv365

7-Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants. **NCD Risk Factor Collaboration (NCD-RisC)**. *Lancet*. 2016 Apr 2;387(10026):1377-96. doi: 10.1016/S0140-6736(16)30054-X. Review. Erratum in: *Lancet*. 2016 May 14;387(10032):1998.

8-Stanaway JD, Flaxman AD, Naghavi M, Fitzmaurice C, Vos T, Abubakar I, Abu-Raddad LJ, Assadi R, Bhala N, Cowie B, Forouzanfar MH, Groeger J, Mohd Hanafiah K, Jacobsen KH, James SL, MacLachlan J, **Malekzadeh R**, Martin NK, Mokdad AA, Mokdad AH, Murray CJ, Plass D, Rana S, Rein DB, Richardus JH, Sanabria J, Saylan M, Shahraz S, So S, Vlassov VV, Weiderpass E, Wiersma ST, Younis M, Yu C, El Sayed Zaki M, Cooke GS. The global burden of viral hepatitis from 1990 to 2013: findings from the Global Burden of Disease Study 2013. *Lancet*. 2016 Sep 10;388(10049):1081-8.

9-Gandomkar A, Poustchi H, Moini M, Moghadami M, Imanieh H, Fattahi MR, Ayatollahi SM, Sagheb MM, Anushiravani A, Mortazavi R, Sepanlou SG, **Malekzadeh R**. Pars cohort study of non-communicable diseases in Iran: protocol and preliminary results. *Int J Public Health*. 2016 Jun 28

10-Global, regional, and national levels of maternal mortality, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. **GBD 2015 Maternal Mortality Collaborators**. *Lancet*. 2016 Oct 8;388(10053):1775-1812

12-Global, regional, national, and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015. **GBD 2015 Child Mortality Collaborators**. *Lancet*. 2016 Oct 8;388(10053):1725-1774

13-Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. **GBD 2015 Risk Factors Collaborators**. *Lancet*. 2016 Oct 8;388(10053):1659-1724.

14-A century of trends in adult human height. **NCD Risk Factor Collaboration (NCD-RisC)**. *Elife*. 2016 Jul 26;5. pii: e13410.

15-Farjam M, Bahrami H, Bahramali E, Jamshidi J, Askari A, Zakeri H, Homayounfar R, Poustchi H, **Malekzadeh R**. A cohort study protocol to analyze the predisposing factors to common chronic non-communicable diseases in rural areas: Fasa Cohort Study. *BMC Public Health*. 2016 Oct 18;16(1):1090

16-Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. **GBD 2015 DALYs and HALE Collaborators**. *Lancet*. 2016 Oct 8;388(10053):1603-1658

17-Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. **GBD 2015 Disease and Injury Incidence and Prevalence Collaborators**. *Lancet*. 2016 Oct 8;388(10053):1545-1602

Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015. **GBD 2015 Mortality and Causes of Death Collaborators**. Lancet. 2016 Oct 8;388(10053):1459-1544.

Mokdad AH, Forouzanfar MH, Daoud F, ..., Malekzadeh R, Wang H, Naghavi M, Vos T, Al Rabeeah AA, Lopez AD, Murray CJ. Lancet Glob Health. 2016 Oct;4(10):e704-13 Health in times of uncertainty in the eastern Mediterranean region, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013

Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015. **GBD 2015 SDG Collaborators**. Lancet. 2016 Oct 8;388(10053):1813-1850.

Praud D, Rota M, Pelucchi C, Bertuccio P, Rosso T, Galeone C, Zhang ZF, Matsuo K, Ito H, Hu J, Johnson KC, Yu GP, Palli D, Ferraroni M, Muscat J, Lunet N, Peleteiro B, **Malekzadeh R**, Ye W, Song H, Zaridze D, Maximovitch D, Aragonés N, Castaño-Vinyals G, Vioque J, Navarrete-Muñoz EM, Pakseresht M, Pourfarzi F, Wolk A, Orsini N, Bellavia A, Håkansson N, Mu L, Pastorino R, Kurtz RC, Derakhshan MH, Lagiou A, Lagiou P, Boffetta P, Boccia S, Negri E, La Vecchia C. Cigarette smoking and gastric cancer in the Stomach Cancer Pooling (StoP) Project. Eur J Cancer Prev. 2016 Aug 24

1- Halec G, Schmitt M, Egger S, Abnet CC, Babb C, Dawsey SM, Flechtenmacher C, Gheit T, Hale M, Holzinger D, **Malekzadeh R**, Taylor PR, Tommasino M, Urban MI, Waterboer T, Pawlita M, Sitas F; InterSCOPE Collaboration. Mucosal Alpha-Papillomaviruses are not associated with Esophageal Squamous Cell Carcinomas: Lack of Mechanistic Evidence from South Africa, China and Iran and from a World-Wide Meta-Analysis. Int J Cancer. 2015 Nov 3. doi: 10.1002/ijc.29911.

2- Shakeri R, **Malekzadeh R**, Nasrollahzadeh D, Pawlita M, Murphy G, Islami F, Sotoudeh M, Michel A, Etemadi A, Waterboer T, Poustchi H, Brennan P, Boffetta P, Dawsey SM, Kamangar F, Abnet CC. Multiplex H. pylori Serology and Risk of Gastric Cardia and Noncardia Adenocarcinomas. Cancer Res. 2015 Nov 15;75(22):4876-83.

3- Fitzmaurice C, Dicker D, Pain A, Hamavid H, **Malekzadeh R**, Murray C, Naghavi M Global Burden of Disease Cancer Collaboration, The Global Burden of Cancer 2013. JAMA Oncol. 2015 Jul;1(4):505-27.

4- Eichelberger L, Murphy G, Etemadi A, Abnet CC, Islami F, Shakeri R, **Malekzadeh R**, Dawsey SM. Risk of gastric cancer by water source: evidence from the Golestan case-control study. PLoS One. 2015 May 29;10(5):e0128491. doi: 10.1371/journal.pone.0128491. eCollection 2015

5- Hashemian M, Poustchi H, Abnet CC, Boffetta P, Dawsey SM, Brennan PJ, Pharoah P, Etemadi A, Kamangar F, Sharafkhah M, Hekmatdoost A, **Malekzadeh R**. Dietary intake of minerals and risk of esophageal squamous cell carcinoma: results from the Golestan Cohort Study. Am J Clin Nutr. 2015 Jul;102(1):102-8. doi: 10.3945/ajcn.115.107847

6- Golozar A, Etemadi A, Kamangar F, Fazeltabar Malekshah A, Islami F, Nasrollahzadeh D, Abedi-Ardekani B, Khoshnia M, Pourshams A, Semnani S, Marjani HA, Shakeri R, Sotoudeh M, Brennan P, Taylor P, Boffetta P, Abnet C, Dawsey S, **Malekzadeh R**. Food preparation methods, drinking water source, and esophageal squamous cell carcinoma in the high-risk area of Golestan, Northeast Iran. Eur J Cancer Prev. 2016 Mar;25(2):123-9.

- 17- Nasrollahzadeh D, Ye W, Shakeri R, Sotoudeh M, Merat S, Kamangar F, Abnet CC, Islami F, Boffetta P, Dawsey SM, Brennan P, **Malekzadeh R**. Contact with ruminants is associated with esophageal squamous cell carcinoma risk. *Int J Cancer*. 2014 Aug 1. doi: 10.1002/
- 18- Nasrollahzadeh D, **Malekzadeh R**, ..., Ye W. Variations of gastric corpus microbiota are associated with early esophageal squamous cell carcinoma and squamous dysplasia. *Sci Rep*. 2015 Mar 6;5:8820
- 19- Etemadi A, Brennan P, Boffetta P, **Malekzadeh R**, .. Dawsey SM, Abnet CC, Emadi A. Mortality and cancer in relation to ABO blood group phenotypes in the Golestan Cohort Study. *BMC Med*. 2015 Jan 15;13
- 20- Roshandel G, Boreiri M, Sadjadi A, **Malekzadeh R**. A diversity of cancer incidence and mortality in west Asian populations. *Ann Glob Health*. 2014 Sep-Oct; 80(5):346-57.
- 21- Kamangar F, Shakeri R, **Malekzadeh R**, Islami F. Opium use: an emerging risk factor for cancer? *Lancet Oncol*. 2014 Feb;15(2):e69-77. doi: 10.1016/S1470-2045(13)70550-3. Review
- 22- Etemadi A, Abnet CC, Kamangar F, Islami F, Khademi H, Pourshams A, Poustchi H, Bagheri M, Sohrabpour AA, Aliasgar A, Khoshnia M, Wacholder S, Matthews CC, Pharoah PD, Brennan P, Boffetta P, **Malekzadeh R**, Dawsey SM. Impact of body size and physical activity during adolescence and adult life on overall and cause-specific mortality in a large cohort study from Iran. *Eur J Epidemiol*. 2014 Feb;29(2):95-109.
- 23- Khademi H, **Malekzadeh R**, Pourshams A, Jafari E, Salahi R, Semnani S, Abaie B, Islami F, Nasseri-Moghaddam S, Etemadi A, Byrnes G, Abnet CC, Dawsey SM, Day NE, Pharoah PD, Boffetta P, Brennan P, Kamangar F. Opium Use and Mortality in the Golestan Cohort Study: A Prospective Cohort Study of 50,000 Adults. *BMJ*. 2012 Apr 17;344:e2502
- 24- Abedi-Ardekani B, Kamangar F, Hewitt SM, Hainaut P, Sotoudeh M, Abnet CC, Taylor PR, Boffetta P, **Malekzadeh R**, Dawsey SM. Polycyclic aromatic hydrocarbon exposure in oesophageal tissue and risk of oesophageal squamous cell carcinoma in north-eastern Iran. *Gut* 2010;59:1178-83.
- 25- Akbari MR, **Malekzadeh R**, Shakeri R, Nasrollahzadeh D, Foumani M, Sun Y, Pourshams A, Sadjadi A, Jafari E, Sotoudeh M, Kamangar F, Boffetta P, Dawsey SM, Ghadirian P, Narod SA. Candidate gene association study of esophageal squamous cell carcinoma in a high-risk region in Iran. *Cancer Res*. 2009;69:7994-8000. PMID: 19826048.
- 26- Akbari MR, **Malekzadeh R**, Lepage P, Roquis D, Sadjadi AR, Aghcheli K, Yazdanbod A, Shakeri R, Bashiri J, Sotoudeh M, Pourshams A, Ghadirian P, Narod SA. Mutations in Fanconi anemia genes and the risk of esophageal cancer. *Hum Genet* 2011;129:573-82.
- 27- Khademi H, Etemadi A, Kamangar F, Nouraie M, Shakeri R, Abaie B, Pourshams A, Bagheri M, Hooshyar A, Islami F, Abnet CC, Pharoah P, Brennan P, Boffetta P, Dawsey SM, **Malekzadeh R**. Verbal autopsy: reliability and validity estimates for causes of death in the Golestan Cohort Study in Iran. *PLoS One* 2010;5:e11183.
- 28- Pourshams A, Khademi H, Malekshah AF, Islami F, Nouraei M, Sadjadi AR, Jafari E, Rakhshani N, Salahi R, Semnani S, Kamangar F, Abnet CC, Ponder B, Day N, Dawsey SM, Boffetta P, **Malekzadeh R**. Cohort Profile: The Golestan Cohort Study--a prospective study of oesophageal cancer in northern Iran. *Int J Epidemiol* 2010;39:52-9.
- 29- Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *GBD 2013 Mortality and Causes of Death Collaborators*. *Lancet*. 2015 Jan 10;385 (9963):117-71.
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- 30- Ghanbari R, Mosakhani N, Malekzadeh R, Knuutila S. Decreased expression of fecal miR-4478 and miR-1295b-3p in early-stage colorectal cancer. *Cancer Biomark*. 2015 Jan 1;15(2):195-201.
- 31- Poustchi H, Katoonizadeh A, Malekzadeh R, George J. Cohort profile: Golestan hepatitis B cohort study- a prospective long term study in northern Iran. *Middle East J Dig Dis*. 2014 Oct;6(4):186-94.
- 32- Mohamadnejad M, Hashemi SJ, Zamani F, Baghai-Wadji M, **Malekzadeh R**, Eloubeidi MA. Utility of endoscopic ultrasound to diagnose remnant stones in symptomatic patients after cholecystectomy. *Endoscopy*. 2014 Aug;46(8):650-5.
- 33- Ostovaneh MR, Poustchi H, Hemming K, ...Cheng K, Marshall T, **Malekzadeh R**. Polypill for the prevention of cardiovascular disease (PolyIran): study design and rationale for a pragmatic cluster randomized controlled trial. *Eur J Prev Cardiol*. 2014 Sep 17.
- 34- Keramati AR, Fathzadeh M, Go GW, Singh R, Choi M, Faramarzi S, Mane S, Kasaei M, Sarajzadeh-Fard K, Hwa J, Kidd KK, Babaei MA, **Malekzadeh R**, Hosseini A, Babaei M, Lifton RP, Mani A. A form of the metabolic syndrome associated with mutations in DYRK1B. *N Engl J Med*. 2014 May 15;370(20):1909-19.
- 35- Islami F, Pourshams A, Nasrollahzadeh D, Kamangar F, Fahimi S, Shakeri R, Abedi-Ardekani B, Merat S, Vahedi H, Semnani S, Abnet CC, Brennan P, Møller H, Saidi F, Dawsey SM, Malekzadeh R, Boffetta P. Tea drinking habits and oesophageal cancer in a high risk area in northern Iran: population based case-control study. *BMJ*. 2009 Mar 26;338:b929.
- 36- Eslamparast T, Poustchi H, Zamani F, Sharafkhan M, **Malekzadeh R**, Hekmatdoost A. Synbiotic supplementation in nonalcoholic fatty liver disease: a randomized, double-blind, placebo-controlled pilot study. *Am J Clin Nutr*. 2014 Mar;99(3):535-42. doi: 10.3945/ajcn.113.068890. Epub 2014 Jan 8.
- 37- Eslamparast T, Zamani F, Hekmatdoost A, Sharafkhan M, Egtesad S, **Malekzadeh R**, Poustchi H. Effects of synbiotic supplementation on insulin resistance in subjects with the metabolic syndrome: a randomised, double-blind, placebo-controlled pilot study. *Br J Nutr*. 2014 Aug;112(3):438-45. doi: 10.1017/S0007114514000919. Epub 2014 May 22.
- 38- **Malekzadeh R**. Global Burden of Disease Study 2010: a real advance in global descriptive epidemiology: prospective for developing countries. *Arch Iran Med*. 2014 May;17(5):302-3.
- 39- Eslami L, Merat S, **Malekzadeh R**, Nasser-Moghaddam S, Aramin H. Statins for non-alcoholic fatty liver disease and non-alcoholic steatohepatitis. *Cochrane Database Syst Rev*. 2013 Dec 27;12:CD008623. doi: 10.1002/14651858.CD008623.pub2. Review
- 40- Malekzadeh MM, Etemadi A, Kamangar F, Khademi H, Golozar A, Islami F, Pourshams A, Poustchi H, Navabakhsh B, Naemi M, Pharoah PD, Abnet CC, Brennan P, Boffetta P, Dawsey SM, Esteghamati A, **Malekzadeh R**. Prevalence, awareness and risk factors of hypertension in a large cohort of Iranian adult population. *J Hypertens*. 2013 Jul;31(7):1364-71;
- 41- Islami F, Pourshams A, Vedanthan R, Poustchi H, Kamangar F, Golozar A, Etemadi A, Khademi H, Freedman ND, Merat S, Garg V, Fuster V, Wakefield J, Dawsey SM, Pharoah P, Brennan P, Abnet CC, **Malekzadeh R**, Boffetta P. Smoking water-pipe, chewing nass and prevalence of heart disease: a cross-sectional analysis of baseline data from the Golestan Cohort Study, Iran. *Heart*. 2012 Dec 20.
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- 42- Lim SS, Vos T, Flaxman AD ...**Malekzadeh R**... Murray CJ, Ezzati M..A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet*. 2012 Dec 15; 380(9859):2224-60
- 43- Murray CJ, Vos T, Lozano R, Naghavi M,....**Malekzadeh R**.... Zonies D, Lopez AD. Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010.*Lancet*. 2013 Dec 15; 380(9859):2197-223.
- 44- Vos T, Flaxman AD, Naghavi M.....**Malekzadeh R**... Zonies D, Lopez AD, Murray CJ.Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet*. 2013 Dec 15;380(9859):2163-96.
- 45- Salomon JA, Vos T, Hogan DR....**Malekzadeh R**... Zheng ZJ, Murray CJ. Common values in assessing health outcomes from disease and injury: disability weights measurement study for the Global Burden of Disease Study 2010.*Lancet*. 2013 Dec 15;380(9859):2129-43.
- 46- The insulin receptor substrate 1 (IRS1) in intestinal epithelial differentiation and in colorectal cancer. Esposito DL, Aru F, Lattanzio R, Morgano A, Abbondanza M, **Malekzadeh R**, Bishehsari F, Valanzano R, Russo A, Piantelli M, Moschetta A, Lotti LV, Mariani-Costantini R. *PLoS One*. 2012;7(4):e36190.
- 47- Golozar A, Khademi' H, Kamangar F, Poustchi H, Islami F, Abnet CC, Freedman ND, Taylor PR, Pharoah P, Boffetta P, Brennan PJ, Dawsey SM, **Malekzadeh R**, Etemadi A.Diabetes mellitus and its correlates in an Iranian adult population. *PLoS One*. 2011; 6(10):e26725
- 48- Effectiveness and feasibility of lifestyle and low-cost pharmacologic interventions in the prevention of chronic diseases: a review. Sepanlou SG, Poustchi H, Kamangar F, Malekzadeh R. *Arch Iran Med*. 2011 Jan; 14(1):46-53.
- 49- Malekzadeh F, Marshall T, ..Cheng KK, Malekzadeh R.A pilot double-blind randomised placebo-controlled trial of the effects of fixed-dose combination therapy ('polypill') on cardiovascular risk factors. *Int J Clin Pract*. 2010 Aug;64(9):1220-7
- 50-Sepanlou SG, Kamangar F, Poustchi H, Malekzadeh .Reducing the burden of chronic diseases: a neglected agenda in Iranian health care system, requiring a plan for action. *R. Arch Iran Med*. 2010 Jul;13(4):340-5
- 51- Mohamadnejad M, Alimoghaddam K, Bagheri M, Ashrafi M, Abdollahzadeh L, Akhlaghpour S, Bashtar M, Ghavamzadeh A, Malekzadeh R.Randomized placebo-controlled trial of mesenchymal stem cell transplantation in decompensated cirrhosis.*Liver Int*. 2013 Nov;33(10):1490-6.
- 52-** Malekzadeh MM, Khademi H, Pourshams A, Etemadi A, Poustchi H, Bagheri M, Khoshnia M, Sohrabpour AA, Aliasgari A, Jafari E, Islami F, Semnani S, Abnet CC, Pharoah PD, Brennan P, Boffetta P, Dawsey SM, **Malekzadeh R**, Kamangar F.Opium use and risk of mortality from digestive diseases: a prospective cohort study.*Am J Gastroenterol*. 2013 Nov;108(11):1757-65
- 53-** Sadjadi A, Derakhshan MH, Yazdanbod A, Boreiri M, Parsaeian M, Babaei M, Alimohammadian M, Samadi F, Etemadi A, Pourfarzi F, Ahmadi E, Delavari A, Islami F, Farzadfar F, Sotoudeh M, Nikmanesh A, Alizadeh BZ, de Bock GH, **Malekzadeh R**.Neglected role of hookah and opium in gastric carcinogenesis: a cohort study on risk factors and attributable fractions.*Int J Cancer*. 2014 Jan 1;134(1):181-8.
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54-Mohamadnejad M, Alimoghaddam K, Bagheri M, Ashrafi M, Abdollahzadeh L, Akhlaghpour S, Bashtar M, Ghavamzadeh A, **Malekzadeh R**. Randomized placebo-controlled trial of mesenchymal stem cell transplantation in decompensated cirrhosis. *Liver Int.* 2013 Nov;33(10):1490-6.

55- Moghtadaei M, Hashemi Golpayegani MR, **Malekzadeh R**. Periodic and chaotic dynamics in a map-based model of tumor-immune interaction. *J Theor Biol.* 2013 Oct 7;334:130-40

D. Research Support

Ongoing Research Support

International Agency for Research on Cancer and Cancer Research United Kingdom (CRUK) /Cambridge University 04/01/09-03/31/14 Golestan Cohort study of esophageal Malignancy in Northern Iran. Follow up phase

The goal of this study is to... To identify risk factors for OC by a comprehensive assessment of ethnicity, occupational history, socio-economic status, past medical history, family history of cancers, gastrointestinal symptoms and signs, tobacco, opium and alcohol use, oral health, anthropometric characteristics, physical activity and tea drinking habits, including tea temperature and establish biospecimen banks for blood, urine, hair and nail samples to be used in molecular and genetic studies of cross-sectional or nested case-control design. To provide a model for population-based studies in a country in economic and social transition based on collaboration between local health workers, local health authorities, national research centers, national government and international research institutions.

Role: Principle Investigator :Paul Pharaoh (Co PI Reza Malekzadeh)

Karolinska (Sweden)

Role of gastric Atrophy in etiology of SCC

02/01/09-03/03/14

The goal of this study is to... To establish optimal cutoff values for serologic diagnosis of fundic atrophy in a high-risk area for esophageal squamous cell carcinoma and gastric cancer with high prevalence of *Helicobacter pylori* (*H. pylori*) in Northern Iran, performed an endoscopy-room-based validation study

Role: Principle Investigator Weimin Ye (Co -PI Reza Malekzadeh)

Canadian cancer institute/University of Toronto

2010-2013

GEWAS Study of esophageal cancer

The goal of this study is to... investigate the Genetic Susceptibility to Esophageal Cancer in a high-risk area for esophageal squamous cell carcinoma in Northern Iran.

Role: Principle investigator Dr. Steven A. NAROD (CO- PI Reza Malekzadeh)

NCI/NIH Intramural grant

2011-2013

GEWAS Study of gastric cancer

The goal of this study is : To investigate the Genetic Susceptibility to gastric Cancer in a high-risk area for gastric adenocarcinoma in Northern Iran.

Role: Principle investigator Christian Abnet (CO PI Reza Malekzadeh)

Completed Research Support

TUMS/Iran Establishment of population based cancer registries in Northern Iran

Role: Principle investigator PI: Reza Malekzadeh

2000-2010

TUMS/Iran with Glasgow university/UK; Epidemiology of gastric cancer in Northern western Iran (Ardabil)

Role: Principle investigator PI: Reza Malekzadeh (co PI Kenneth McColl)

2004-2010
