

# CURRICULUM VITAE

## TAZEEN H. JAFAR, MBBS; MPH

### Personal details

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### Education and Training

Master in Public Health	<b>Harvard School</b> of Public Health, Boston 1998 – 2000
Diploma in Clinical Effectiveness	<b>Harvard School</b> of Public Health, Boston 1998
Clinical & Research Fellow in Nephrology	<b>Tufts Medical Center</b> , Boston Aug 1996 – Mar 2000
Residency in Medicine/Pediatrics	<b>University of Texas</b> at Houston Oct 1991 – Sept 1995
MBBS	<b>Aga Khan University</b> , Karachi Sep 1985 – Nov 1990

### Examination and Certification

Sept 2018 – Sept 2020	BCLS Re-certification
2010	Re-certification, American Board of Internal Medicine, subspecialty Nephrology, and currently enrolled and participating in maintenance of certification.
1999	American Board of Internal Medicine, subspecialty Nephrology
1998	Certificate course in Clinical Effectiveness at Harvard School of Public Health
1997	American Board of Internal Medicine
1995	American Board of Pediatrics
1991	ECFMG Part 1 & 2

### Primary Academic Position

#### **Duke-NUS Medical School**

Feb 2012 – Present Professor, Programme in Health Services & Systems Research

### Current Affiliate Academic Positions

2000 – Present	Adjunct faculty (Professor in 2012), <b>William B Schwartz Division of Nephrology</b> , Tufts Medical Center, Boston, MA.
2012 – Present	Visiting Professor, Department of Medicine, <b>Aga Khan University</b> , Karachi
2015 – Present	Research Professor Global Health, <b>Duke Global Health Institute</b> , Durham, NC, USA

### **Current Hospital Positions**

- Sept 2015: Staff Consultant Nephrologist, **Duke VA Medical Center, Durham, NC, USA**
- April 1, 2013: Visiting Consultant, Renal Medicine, **Singapore General Hospital, Singapore**
- May 2000 – 2012: Consultant Nephrologist, **Aga Khan University Hospital, Karachi, Pakistan.**

### **Medical Licenses**

- Current State of Wisconsin
- Current Singapore Medical Council (Renal Medicine Specialist)

### **(Former) Academic Positions**

#### **Aga Khan University, Karachi, Pakistan**

- June 2009 – 2012 AKU Endowed Professorship, Nephrology & Community Health Sciences
- Jan 2008 Professor, Nephrology, Departments of Medicine & Community Health Sciences
- Jan 2004 – Dec 2007 Associate Professor, Departments of Medicine (Nephrology) and Community Health Sciences
- May 2000 – Dec 2003 Assistant Professor, Departments of Medicine (Nephrology) and Community Health Sciences

*(\*two accelerated promotions - from Assistant Professor to Associate Professor, and then to full professor. I was also the first youngest full professor at AKU).*

### **Past Administrative Positions**

- 2003 – 2009 Founding Chief, Section of Nephrology, Department of Medicine (established a separate Section of Nephrology within Department of Medicine, catalyzed the approval of a functional ambulatory dialysis unit in Aga Khan Hospital, started fellowship program in Nephrology, and completed two full terms as Section Chief)
- 2002 – 2012 Founding Director, Clinical Epidemiology Unit (affiliate of the International Network of Clinical Epidemiology (INCLLEN) - Pakistan- based at AKU)

### **Leadership of Academic and Training Programs:**

- 2005 – 2010 Founding Director, Master of Science in Clinical Research Program at Aga Khan University (completed two full terms)
- 2003 – 2009 Founding Director, Clinical Scholars' Program (offers Diploma in Clinical Epidemiology to specialist clinicians) at Aga Khan University (completed two full terms).

### **UK- Medical Research Council**

- 2020: Member MRC Applied Global Health Research Board
- 2019: Member Expert Panel, UK-Malaysia Joint Partnership on NCD (MRC-MOE Non-Communicable Diseases Assessment Panel)
- 2018: Member MRC-Newton Fund for Thailand grant review panel for NCDs
- 2018: Member MRC-Newton Fund for Kenya grant review panel for NCDs
- 2015: Member Grant review and funding panel for respiratory diseases (GACD)
- 2014: Member Grant review and funding panel for diabetes research (GACD)

### **Wellcome Trust, UK**

2010 – 2013 Member, Expert panel, Wellcome Trust/DFID/MRC Global Health Trials funding committee

2006 – 2009 Member, Funding committee, Populations and Public Health, The Wellcome Trust, UK.

### **Canadian Institutes of Health Research (CIHR)**

2015: Member, Strategy for Patient-Oriented Research (SPOR) grant review panel

### **World Bank**

May – July 2009 Consultant, Report on Chronic Non-communicable Disease Burden and Health Systems Capacity Strengthening in South Asia Region

### **International Press Releases/Media coverage**

COBRA trial results- *Heartwire (theHeart.org)*, and several international print media 2009

- Organ Trafficking-Medscape Nephrology 2009
- GP education and hypertension control in Pakistan- Medscape and MD consult 2007
- Chronic Kidney Disease in Pakistan – Time Magazine 2006
- Chronic Kidney Disease in Pakistan – Medscape 2006
- Obesity epidemic in Pakistan- covered by international radio and print media in Canada, and Europe in Sept 2006.
- AJKD eblog interview Sept 2013
- NCD epidemic in Pakistan-launch of Pakistan Lancet series May 2013
- Global disparities in access to dialysis (Lancet commentary)- April 2015
- Association of eating out with high blood pressure in Singapore- May 2015
- Tobacco legislation in Pakistan (Lancet Respiratory Medicine Sept 2015)
- Health Education and GP training- Long Term Effects on Kidney Function (cJASN)- May 2015
- Red meat intake and Risk of End Stage Kidney Disease (JASN) –July 2016
- Living Kidney Donation Safe- press release in Straits time Dec 2016
- BMJ blog by Richard Smith on COBRA-BPS trial Oct 2017
- Op-ed TODAY on BP guidelines:  
<https://www.todayonline.com/commentary/prudent-singapore-not-adopt-new-us-hypertension-guidelines-now>
- Uncontrolled hypertension in South Asia- media release in major newspapers Pakistan and Bangladesh May 2018 <https://www.dawn.com/news/1408520>
- Op-Ed TODAY <https://www.todayonline.com/commentary/why-it-so-hard-curb-hypertension-singapore>
- COBRA BPS Policy forum - Number of people with hypertension expected to rise globally, projected to be significantly higher in South Asia – Oct 2018
- Parallel community solutions for cardiovascular risk reduction: Comment by Tazeen H Jafar, Zainab Samad & Gerald S Bloomfield on ESCCongress presented HOPE study read reg Sept Lancet Cardiology | The Lancet | Scoopnest – Sept 2019
- Media and press release regarding the findings from COBRA-BPS trial showing benefit of the intervention strategies on clinically meaningful reduction in BP and demonstrating validity of the approach in a variety of settings have been published in the *New England Journal of Medicine*. – February 2020

- CNA938 (MediaCorp Radio) Interview for their health news programme regarding Community health worker-led care improves blood pressure in hypertensive patients – February 2020

**Major Role in Organization of Conferences & Scientific Committees:**

2020	Chair and moderator, 26 <sup>th</sup> edition of the ISN World Congress of Nephrology (WCN), Abu Dhabi, United Arab Emirates from March 26 to 29, 2020
2019	Member, American Heart Association Scientific Sessions
2018	Chair and co-host, “Policy forum on hypertension and cardio-metabolic diseases – impact on health systems in Sri Lanka, Bangladesh, Pakistan, and regional countries” Oct 1, 2018 Colombo, Sri Lanka.
2017 – 2018	Member scientific committee, Asia Pacific Society of Nephrology, Beijing, China
2016 – 2017	Co-chair organizing committee and chair scientific committee, 22 <sup>nd</sup> Annual Scientific Meeting, Singapore General Hospital, 6-8 April 2017
2015 – 2017	Member Scientific Committee- 2017 World Congress of Nephrology, Mexico City.
Mar 2015	Chair, Duke-Durham-Duke-NUS HSSR Bridging Symposium on Global NCD- focus on vascular disease
May 2009	Lead coordinator, National Commission on Non-communicable Diseases, Pakistan (meeting hosted by Ministry of Health in collaboration with US-Centre for Disease Control & Prevention)
Feb 2009	Chair Scientific Program Committee, AKU-Summit Non-communicable Diseases, Kampala, Uganda Feb 2009
Dec 2008	Chair Organizing Committee, 25 Year Reunion AKU Alumni (Silver Jubilee of Medical College)

**Recent & Key Invited Lectures/conferences international (select):**

- Invited speaker at “Update in Nephrology” course of International Society of Nephrology at Dubai, Nov 2004.
- Invited Chair, Symposium on Strategies for Prevention of Kidney Disease in Developing Countries, World Congress of Nephrology, Singapore, June 2005.
- Invited speaker at “Renal Remission Clinic Workshop” Bergamo, Italy September 15 and 16<sup>th</sup>, 2006.
- Invited speaker as ASN faculty at Clinical Science Symposium on “Target Blood Pressure in Chronic Kidney Disease” at the American Society of Nephrology meeting November 14-19, 2006 at San Diego, CA.
- Invited speaker Renal Grand Rounds at University Hospitals of Cleveland (Case Western Reserve University), Cleveland Ohio March 27, 2007 on “Hypertension and Chronic Kidney Disease-A Global Health Perspective”
- Invited speaker Asian Forum of CKD Initiative May 27-28, 2007 Hamamatsu, Japan.
- Wellcome Trust workshop in London on secondary prevention of cardiovascular disease in low and middle income countries June 6-8 , 2007
- INCLN-SEA meeting Bali Aug 25-26, 2007
- National Clinical Research Conference in Malaysia Oct 25 -26, 2007.
- Global Health Forum, Beijing, Wellcome Trust satellite meeting Oct 27-30, 2007.
- US Federal Drug Administration “Proteinuria as a Surrogate Outcome of Kidney disease” at FDA campus Silver Spring, MD May 2008.

- Plenary session- Special Lecture “CKD- a Global Public Health Problem” World Congress of Nephrology, Milan, Italy May 2009
  - Member Planning Committee, Controversies in Chronic Kidney Disease Classification- Oct 2009 (London meeting)
  - Invited Speaker- NIDDK conference on International Studies on CKD- Baltimore, Maryland, USA. March 2010
  - Renal Grand Rounds, Tufts Medical Center, Boston- March 2010.
  - Plenary session- “CKD Classification-where do we go from here?” Malaysian Society of Nephrology annual meeting April 2010
  - Invited Speaker “Non-communicable Diseases in Pakistan: research to policy” Annual Regional Meeting of International Epidemiology Association (South East Asian Chapter) Sri Lanka, Colombo, Sri Lanka May 2010
  - Renal Grand Rounds, University of Texas Health Science Center at San Antonio, March 2011
  - Invited speaker, Welch Center, Johns Hopkins University, Baltimore, April 2011
  - Research conference, William B Swartz Division of Nephrology, Tufts Medical Center, Boston, MA, April 2011
  - Invited Speaker, Duke National University of Singapore Graduate School May 2011
  - Invited panelist, Informal Civil Society Interactive Hearing, New York, June 2011 (in preparation for UN High Level meeting for NCD prevention & control)
  - Invited speaker, Welch Center, Johns Hopkins University, Baltimore, June 2011
  - Invited speaker, World Congress of Epidemiology, Edinburgh Aug 2011
  - Invited Speaker 8<sup>th</sup> Asian Pacific Congress of Hypertension, Taiwan Nov 2011
  - Invited speaker, the George Institute, Beijing, Nov 2011
  - Invited speaker, the George Institute, Sydney, Nov 2011
  - Scientific Program Committee, World Congress of Cardiology, UAE March 2012.
  - Invited speaker, Asia Pacific Society of Hypertension, Dhaka, May 2012
  - Invited panelist NKF-FDA workshop on GFR Decline as an Endpoint for Clinical Trials (Baltimore, Dec 2012)
  - Invited speaker, Duke Global Health Institute, Durham, April 2013
  - Invited speaker, launch of Pakistan Lancet series, Federal Ministry of Health, Islamabad, Pakistan
- Invited speaker, National Symposium on Non-communicable Diseases in Pakistan Feb 2014
- Invited speaker, Asia Pacific Conference on Hypertension, Cebu, Philippines, Feb 2014
  - Invited speaker, Renal Grand rounds, University of California San Francisco, April 2014
  - Invited speaker, Annual meeting Sri Lanka Medical Association, July 2014
  - Invited member, KDIGO meeting on Strategies for Treatment of Diabetic Kidney Disease, Vancouver, Canada, Feb 2015
  - Invited speaker, late breaking abstract, COBRA-post trial follow up kidney function, World Congress of Nephrology, Cape Town, March, 2015.
  - Invited panelist, AFCKDI, Jakarta, May, 2015
  - Invited speaker, Symposium on Aging and CKD, American Diabetes Association Annual Meeting, Boston, MA, June, 2015.
  - Invited discussion leader and steering committee member, KDIGO meeting on Implementation of CKD Guidelines in LMICs, Bangkok, June 2015

- Invited speaker, International Symposium, Sindh Institute of Urology & Transplantation, Karachi, Pakistan. Dec 2015
- Renal Grand rounds, Division of Nephrology, Duke University, NC, Durham, US, Feb 2016
- Invited panelist, International Congress of Renal Nutrition and Metabolism, Okinawa, Japan, April 2016
- Invited speaker, Asia Pacific Congress of Nephrology, Perth, Australia, Sept 16-19, 2016
- Invited speaker, Asia Pacific Society of Hypertension meeting, Seoul, Sept 24-29, 2016
- Invited speaker, Pakistan Society of Nephrology, Islamabad, Pakistan, March 24-27, 2017
- Invited speaker, World Congress of Nephrology, Mexico City, Mexico, April 21-25, 2017
- Invited speaker, Asia Pacific Congress of Hypertension, Singapore, Oct 6-8-2017
- Invited lecture, C3 Collaborating Seminar on NCD, London UK, Oct 11, 2017
- Invited discussion lead and panelist, FDA/NKF/EMA Scientific Workshop on Change in Albuminuria and GFR as End Points for Clinical Trials in Early Stages of Chronic Kidney Disease, Baltimore, Mar 15-18, 2018
- Invited speaker and session chair, Asia Pacific Congress of Nephrology, Beijing, China, Mar 24-28, 2018
- Invited speaker, Medicine Grand rounds, Hammad General Hospital, Doha, Qatar, May 6, 2018.
- Invited speaker, Policy Forum on Hypertension and Cardio-metabolic Risk, Colombo, Sri Lanka, Oct 1, 2018.
- Invited plenary speaker, Pakistan Society of Nephrology, Lahore, Pakistan, March 1-4, 2019.
- Invited discussant, UK RI, British Council, and Higher Education Commission Pakistan joint workshop on low cost healthcare solutions. March 5-7, 2019.
- Invited speaker, HSSR Symposium: Person-Centered Population Health, Singapore, May 6, 2019
- Invited speaker, Singapore National Kidney Foundation annual conference, Singapore May 25, 2019.
- Plenary Chair, 16<sup>th</sup> Gender Summit – Asia Pacific: Diversity and Gender in Science: Enhancing the Value of Research and Innovation, Singapore, August 28 – 29, 2019
- Presenter, American Heart Association Scientific Sessions 2019, Philadelphia, USA, November 16 – 18, 2019.
- Plenary Speaker, 15<sup>th</sup> Asian Pacific Congress of Hypertension 2019 (APCH 2019), Brisbane, Australia, November 24 – 27, 2019
- Invited speaker, Non-communicable Diseases in South Asia Workshop, Colombo, Sri Lanka, January 23 – 24, 2020.
- Invited speaker, ISN World Congress of Nephrology (WCN) Abu Dhabi, United Arab Emirates from March 26 to 29, 2020

#### **Teaching/Education/courses:**

- 2018 - 2020** Six Journal club sessions for renal residents and fellows at Singapore General Hospital
- 2017** Grant and proposal writing skills on implementation science at SGH 22<sup>nd</sup> ASM April 6

- 2016** 3 Journal club sessions for renal residents and fellows at Singapore General Hospital
- 2015** Journal club sessions for renal residents and fellows at Singapore General Hospital
- 2014** Short course (2 full day) on Grant and proposal writing skills at SingHealth-Duke Conference, Singapore
- 2003 – 2010** Course Director NCD Epidemiology for Master Science in Epidemiology & Biostatistics students, Aga Khan University

**Editorial Board and Conference Review Activities:**

- 2018 Lead Guest Editor, Special Issue, Journal of Obesity (publication date June 2019)
- 2018 Abstract reviewer, World Congress of Cardiology, UAE
- 2017 Associate Editor, Trials
- 2017 Abstract reviewer for kidney week 2017, American Society of Nephrology
- 2015 – 2018 Deputy Director, International Society of Nephrology, Publications Committee
- 2013 Abstract reviewer for kidney week 2013, American Society of Nephrology
- 2013 Associate Editor, BMC Nephrology
- 2010 – 2016 AJKD’s World Kidney Forum, Member, Advisory Panel
- 2010 – 2015 Public Library of Sciences, Member, International Advisory Panel
- 2010 – 2012 Nephrology, Subject Editor for Hypertension and Epidemiology
- 2009 – 2012 Nephron Clinical Practice, Section Editor, Nephron CPC.
- 2006 – 2011 American Journal of Kidney Diseases, Member, Editorial Board
- 2007 Nephron- Member, Editorial Board.
- 2004 European Review for Medical and Pharmacological Sciences- Member, Editorial Board.
- 2003 – 2008 Journal of Hypertension- Member, Editorial Board.

**Regular reviewer for many journals including:**

Annals of Internal Medicine, Circulation, CMAJ, Journal of the American Society of Nephrology, C-JASN, Diabetes Care, and American Journal of Hypertension.  
*(Rated among top tertile of reviewers for Annals of Internal Medicine in 2004 and 2006)*

**Professional Society Memberships:**

American Heart Association  
 International Society of Hypertension  
 American Society of Nephrology  
 Asia Pacific Society of Hypertension  
 International Society of Nephrology  
 International Network of Clinical Epidemiology

**Research Network Memberships:**

Chronic Kidney Disease Prognosis Consortium (US Based sponsored by NKF)  
 South Asia Network for Chronic Disease- (based in New Delhi, India)  
 Asia Pacific Kidney Disease Network (based in Japan)  
 International Clinical Epidemiology Network (New Delhi, India and Philadelphia)  
 3:4:50 network for chronic disease (led by UnitedHealth, UK and US)

**Duke-NUS/SingHealth Committees & Conferences:**

- 2019 Academic Medicine Grant Review Committee (AGRC)
- 2018 HSSR Program Director Search Committee
- 2018 Capacity Building co-lead, Singapore Duke-NUS Global Health Institute Workgroup Leader Task Force
- 2017 Duke-NUS co-lead for proposed SingHealth-A\*STAR collaboration on “Diabetes Clinic of the Future”
- 2017 Co-chair, Annual Scientific Meeting, Singapore General Hospital.
- 2016 – 2017 Member, Diabetes Taskforce for strategy recommendations to MOH
- 2015 Primary Care co-lead, Health Services Research Center (HSRC)
- 2012 3<sup>rd</sup> Year Medical Student Mentor & Theses Evaluator
- 2012 SingHealth Grant Review Committee (Clinical)
- 2013 – 2015 Research Master, Seah College, Duke-NUS
- 2012 – 2015 Member, Duke-NUS Medical School Admissions Committee

**AKU Committee Memberships:**

- 2009 – 2010 Member, AKU Medical College Dean Search Committee
- 2008 Co-Chair, AKU Alumni Bylaws Taskforce
- 2007 – 2011 Chair, AKU-Faculty of Health Sciences Research Committee
- 2007 Member, Advisory Panel, AKU Alumni Affairs
- 2002 Member, AKU-University Research Council
- 2002 Member, AKU-Grants Review Committee
- 2000 Representative, AKU Alumni Association Medical College

**International Awards:**

- 2012** International Society of Hypertension Boehringer Ingelheim Developing World Award

**National Awards:**

- 2005 Pakistan Academy of Medical Sciences Award for best research paper.
- 2007 Annual Pakistani Women Achievers on International Women’s Day (March 8)

**Other Recognitions:**

- 2019 Nominee, Duke-NUS Dean's Excellence Award
- 2011 Fellow of the US National Kidney Foundation
- 2011 Member of the Henry Wellcome Collection Museum

**Governance of Major Multi-site/Multi-country Trials****2019 - 2023 Co-Theme Principal Investigator, Diabetes Clinic Of the Future (DCOF)**

In my role as the co-theme PI for track 2 of A\*STAR funded “Diabetes Clinic of the Future” project, I am responsible for coordinating the research activities carried out by the research team such as time trends analysis of risk factors control and development of models of micro- and macrovascular disease risk prediction and disease progression at the individual and population levels. The key value capture for the DCOF programme is better health outcomes for T2DM patients in Singapore, with decrease morbidity and burden of disease, and lower healthcare spending for individuals and healthcare systems.

**2015 - 2020 Chief Investigator, COBRA-BPS Trial Management Committee**

In my role as the main PI of MRC/Wellcome/Dfid funded project “Control of Blood Pressure and Risk Attenuation (COBRA)- Bangladesh, Pakistan, and Sri Lanka”, based at Duke-NUS



in Singapore, I oversee all administrative aspects of the multi-country trial in 30 communities in Bangladesh, Pakistan, and Sri Lanka, including design and implementation of strategies, intervention fidelity, maintaining trial integrity, chairing monthly trial management meetings with all sites in 3 countries, six monthly independent data safety and monitoring meeting, and annual trial steering committee meeting in the UK. ([www.cobra-bps/facebook.com](http://www.cobra-bps/facebook.com))

### **2015 - 2021 Chief Investigator, SingHypertension Trial**

In my role as the main PI of Singapore-Ministry of Health funded project “Multicomponent Intervention for Blood Pressure Lowering and Cardiovascular Risk Reduction” I oversee all administrative aspects of the multi-center trial in all 8 SingHealth polyclinics in Singapore. This includes design and implementation of strategies, training the physicians in updated hypertension management algorithms as per study protocol, chairing site initiation meetings, intervention fidelity, maintaining trial integrity, chairing monthly trial management meetings with all clinics, and organizing and participating in six monthly independent data safety and monitoring meetings, and sharing results with key stakeholders.

**New Tools and Curricular Development:** I have led the development of the following tools for implementation of hypertension management programs, and made them available via open access publications for easy access to other researchers:

Nutrition and Lifestyle curriculum (adapted for Bangladesh, Pakistan, and Sri Lanka)  
Community health workers blood pressure monitoring checklist  
CHW home health evaluation delivery checklist  
Motivation counselling curriculum for hypertension (Singapore)  
Telephone based follow-up checklist (used by nurses) integrated in electronic health record (Singapore)

### **Validation of Tools/curricular:**

South Asian CKD-EPI equation to estimate glomerular filtration rate (CKD-EPI validated for Pakistani population)

### **Other awards/recognition for students mentored by Dr Jafar**

- Duke-NUS MD Student, Sun Joon Hwang, recipient of AM-ETHOS Duke-NUS Medical Student Fellowship Award (AY2019-2020)
- Dr Jasmine Lew (SingHealth Khoo Scholar) thesis work presented as oral presentation at the American Society of Nephrology in 2016, and featured as a press release.
- Dominique Seow’s Duke-NUS MD thesis work selected for press release by American Journal of Hypertension in 2014, followed by several wide media interviews internationally and in Singapore.
- Dr Saleem Jessani’s (MSc) thesis work presented as an oral presentation at the European Society of Hypertension meeting in Milan 2007
- Ms Nudrat Qureshi’s (MSc) thesis work presented as an oral presentation at research conference at Singapore. Ms Qureshi awarded the “Merit award” for this work. Ms Qureshi accepted into a funded doctoral program at Cambridge University in computational biology.
- Dr Zahid Azam (MCR) awarded PGME Research award 2008 by AKU
- Dr Azra Rizwan (MCR) awarded best oral presentation on MCR thesis project 2009 at Dept of Medicine Research Retreat and won travel award to International Diabetes Federation meeting in Canada

### Research Grants and Awards:

- A\*STAR Singapore-Industry Alignment Partnership grant - S\$ 12 million 2019 – 2023 (co-PI and main theme PI) “Diabetes Clinic of the Future” (corresponding PI Bee Yong Mong, co-I Xiuju Fu, Pavitra).
- MRC/Wellcome/Dfid UK- S\$4.9 million 2015-2019 (main PI) “Primary Care Strategies to Reduce High Blood Pressure a Cluster Randomized Trial in Rural Bangladesh, Pakistan and Sri Lanka-feasibility study”. Co-PI: Imtiaz Jehan, Asita de Silva, John Clemens; Eric Finkelstein, Pryseley Assam)
- Singapore National Medical Research Council: S\$3.4 million 2014-2019 (main PI) “Management of Hypertension and Multiple Risk Factors in Singapore Polyclinics- a Cluster RCT”. PI Tazeen Jafar (Senior Clinician Scientist Award) (co-I/collaborators: Ngiap Chuan Tan, Eric Finkelstein, and John Allen)
- Tanoto Foundation S\$200,000 2018-2019: “Determinants of Diabetes, Multi-morbidity, and Vascular Complications in Adults in Primary Care Clinics in Singapore” (PI Jafar TH, co-I Tan Ngiap Chuan)
- Singapore National Medical Research Council S\$209,492.00, 2017-2019, Co-PI Tailoring Health Communication Materials to Improve Decision Making of Elderly ESRD Patients (PI Eric Finkelstein)
- Duke Global Health Institute- US \$50,000- 2016-2018 PI “Smart-Kidney in rural India”; co-PI Vive Jha
- SingHealth Foundation S\$ 74,000- 2017-2019 Kwek Jia Liang (PI) Evaluation of the effectiveness of multidisciplinary clinic in improving the outcomes and satisfaction of patients with advanced chronic kidney disease in Singapore General Hospital. (Mentor and co-I)
- Singapore Millennium Foundation: S\$260,480, 2014-2017 Co-PI Knowledge and preferences for treatment of end stage renal disease among elderly patients and their family caregivers’ (PI Eric Finkelstein)
- MRC/Wellcome/Dfid UK- \$400,000 2014-2015 PI “Integrated Primary Care Strategies to Reduce High Blood Pressure- A Cluster Randomized Trial in Rural Bangladesh, Pakistan and Sri Lanka-feasibility study”. PI: Tazeen Jafar; Co-PI: Dewan Alam, Imtiaz Jehan, Asita de Silva, Benjamin Haaland, Eric Finkelstein, Mandy Ow, Shah Ebrahim)
- Wellcome Trust, UK £ 230,000 (2011-2013) Control of Blood Pressure and Risk Attenuation post-trial follow-up (PI: Tazeen Jafar; Co-PI: Neil Poulter, Juanita Hatcher, Nish Chaturvedi; Shah Ebrahim)
- Wellcome Trust, UK. £273,032 (2006-2011) Molecular genetic studies in hypertension, type 2 diabetes, and coronary heart disease in Pakistan. (PI: Tim Frayling; Co-PI: Tazeen Jafar/Nish Chaturvedi/Andrew Hattersley/Philippe Frossard/Marc Caulfield)
- Wellcome Trust, UK £ 50,000 (2009) Control of Blood Pressure and Risk Attenuation follow-up (PI: Tazeen Jafar; Co-PI: Juanita Hatcher, Zulfiqar Bhutta, Shah Ebrahim; Nish Chaturvedi)
- NIH-Fogarty International Center US \$ 110,000 (2007-2010) R03 TW007588- “Chronic Kidney Disease in the Pakistani Population-Estimation of Glomerular Filtration Rate” (PI: Tazeen Jafar; Co-PI: Andrew Levey; Christopher Schmid; Lesley Stevens, Nish Chaturvedi; Juanita Hatcher).
- Wellcome Trust, UK. £273,032 (2006-2011) Molecular genetic studies in hypertension, type 2 diabetes, and coronary heart disease in Pakistan. (PI: Tim

Frayling; Co-PI: Tazeen Jafar/Nish Chaturvedi/Andrew Hattersley/Philippe Frossard/Marc Caulfield)

- Wellcome Trust, UK, 2003-2007. US \$500,000 for “Population based strategies for effective control of high blood pressure in Pakistan: (Control of Blood Pressure and Risk Attenuation Trial (COBRA)”. (PI: Tazeen Jafar; Co-PI: Juanita Hatcher, Neil Poulter, and Nish Chaturvedi)
- Wellcome Trust, UK –2005-2008 US \$300,000 for “Hypertension related damage to the microcirculation in South Asians – emergence, predictive power and reversibility. (PI: Nish Chaturvedi; Co-PI Tazeen Jafar)
- Fogarty International Research Collaboration Award by the Fogarty International Center, NIH, US \$ 96,000. May 2002-apr 2007 for “Hypertension in the Pakistani Population-Analysis of the data from the National Health Survey of Pakistan. (PI: Tazeen Jafar/Andrew Levey; Co-PI Christopher Schmid, Nish Chaturvedi)
- Cardiovascular Disease Initiative, India, Jan 2005 to June 2005. US \$ 10,000. Community strategies for control of tobacco use amongst adolescents in Karachi, Pakistan. (Role: PI: Tazeen Jafar)
- Research award: The Wellcome Trust, UK, 2001-2002, US \$150,000 for “The Stepped Care Blood Pressure Control Project” (PI: Tazeen Jafar/Leon Fine; Co PI: Nish Chaturvedi)
- Paul Teschan Fellowship award by Dialysis Clinic, Inc. (DCI) 1997-1998. US \$50,000 for work on Angiotensin-Converting Enzyme Inhibitors in Non-Diabetic Renal Disease. (Role: PI: Tazeen Jafar; Co-PI Andrew Levey)

#### **Master’s Fellowship Awards for Students with Dr. Jafar as Sponsoring and primary thesis supervisor**

- The Wellcome Trust, UK, (ref 069501) 2009-2012, UK £50, 000 for Master’s student fellowship and associated research project on “validation of International physical activity questionnaire with pedometer in children in Pakistan”. Student Dr Shiraz Hashmi
- The Wellcome Trust, UK, (ref 069501) 2002-2005, UK £17, 000 for Master’s student fellowship and associated research project on “Knowledge, perceptions, and healthcare seeking behavior in older and younger patients with myocardial infarction in an urban city of Pakistan”. Student Mohammad Saleem
- The Wellcome Trust, UK, (ref: 069502) 2002-2005, UK £20,000 for Master’s student fellowship and associated research project on “Affective and cognitive disease in urban Pakistan”. Student Dr Faiza Habib
- Wellcome Trust, UK, (ref: 074825) 2004-2007, UK £40,000 for Master’s student fellowship and associated research project on “Relationship between Salt and Blood Pressure in South Asian Population in Pakistan”. Student Dr Saleem Jessani
- Wellcome Trust, UK, (ref: 0748440) 2006-2008, UK £47,000 for Master’s student fellowship and associated research project on “Coronary artery disease with thallium-201 scintigraphy in adult population in Karachi”. Student: Dr Shazia Shahzad

#### **PhD Thesis Supervision:**

2009 – 2012 Nilofer Safdar: Thesis title: “Association of dietary patterns with change in Blood Pressure in South Asian Adults”- Fullbright Scholarship- doctoral student in Nutrition at University of Massachusetts (Primary supervisor is Dr Nancy Cohen at U Mass)

### **MD Thesis Supervision at Duke-NUS:**

- 2020 Monica Palanichamy Kala, MD PhD Student, Duke-NUS. “Systematic review and meta-analysis of the risk factors of psychological impact during the COVID-19 pandemic” (project supervisor)
- 2020 Vanitha D/O Porhcisaliyan, Medical Student, Duke-NUS. “Socioeconomic status (SES) and ethnic variation associated with Type 2 Diabetes Mellitus (T2DM) in patients with uncontrolled hypertension in Singapore” (primary thesis supervisor)
- 2019 – 2020 Sun Joon Hwang, Medical Student, Duke-NUS. “Perceived Barriers and Facilitators to Effective Chronic Kidney Disease Care among Patients and Healthcare Professionals in Singapore: A Qualitative Study” (primary thesis supervisor)
- 2016 – 2017 Eui Whan Moon, Medical Student, Duke-NUS. “The Use of Wireless, Smartphone Application-Assisted Home Blood Pressure Monitoring among Hypertensive Patients in Singapore: A Pilot Randomised Controlled Trial” (primary thesis supervisor)
- 2013 – 2014 Dominique Seow. Medical Student, Duke-NUS. “Factors Associated with Prehypertension in Young Adults in Singapore” (primary thesis supervisor)

### **Master in Global Health degree Program thesis supervision:**

- 2016 – 2017 Benjamin Cobb, Duke Global Health Institute, Duke University, Durham, NC, US. “Perceived facilitators and barriers to implementing an innovative low-cost primary care programme for the integrated management of type 2 diabetes and kidney disease using a technology supported multicomponent intervention in rural communities in South Asia.” (Primary thesis supervisor)
- 2016 – 2017 Hongfei Long, Duke Kunshan, China, and Duke Durham, NC, US; Barriers and Facilitators for Including Village Health Workers (VHW) in Non-communicable Diseases (NCDs) Prevention and Control in Chi Linh District Hai Duong Province, Vietnam, (thesis co-supervisor).

### **Khoo Scholars Supervision:**

- 2015 – 2017 Jasmine Lew, Khoo scholar mentee, Duke-NUS

### **MSc Thesis Supervision at AKU:**

Primary thesis supervisor of the following students of **Master’s in Epidemiology & Biostatistics** degree Program:

- 2009 – 2012 Shiraz Hashmi MSc Thesis title: Validation of International physical activity questionnaire with pedometer in children in Pakistan”
- 2007 – 2009 Sajid Mahmood MSc Thesis title: Prevalence and factors associated with underestimation of body weight among school children of grade 9-10, in Karachi, Pakistan: A school based cross-sectional study
- 2007 – 2009 Zainab Hussain MCR Validating Anthropometry for Assessment of Body Fat Composition in 10-14 Year Old Children Using DXA scan as Gold Standard
- 2006 – 2008 Student: Shazia Shehzad. Thesis title. “Comparison of screening tools for coronary artery disease with thallium-201 scintigraphy in adult population in Karachi”.

- 2006 – 2008 Student Zahid Azam MCR. Thesis title “Randomized double blind dummy controlled trial of 24 versus 72 hours of terlipressin as an adjuvant therapy in esophageal variceal bleed”
- 2006 – 2008 Student Aysha Almas MCR. Thesis title: Exercise Intervention in Female School Children; Effect on Blood pressure, BMI, Skinfolds and Math Scores.
- 2006 – 2008 Student Azra Rizwan MCR. Thesis title: Factors Associated with Obesity in School children in Karachi
- 2004 – 2007 Student: Saleem Jessani. Thesis title “Relationship between Salt and Blood Pressure in South Asian Population in Pakistan”.
- 2004 – 2007 Student: Nudrat Qureshi. Thesis title “Adherence to antihypertensive medication among patients with hypertension visiting GPs trained in aspects of hypertension detection and management vs untrained GPs
- 2002 – 2005 Student Faiza Habib. Thesis title “Affective and cognitive disease in urban Pakistan”.
- 2002 – 2004 Student: Muhammed Saleem. Thesis title” Factors associated with delay in seeking health care among those who had Acute Myocardial Infarction
- 2000 – 2002 Student: Javed Ismail. Thesis title “Risk factors for nonfatal Myocardial Infarction in young adults of Karachi: Community based case control study.

**Published Papers:** H-index=50; I-10=86

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\*Review on the above article: Angiotensin-converting enzyme inhibitors reduce the Progression of nondiabetic renal disease. *ACP Journal Club/Evidence-Based Medicine* Jan/Feb 2002, page 12.
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4. **Jafar TH**, Schmid CH and Levey AS. Effect of angiotensin-converting enzyme inhibitors on progression of nondiabetic renal disease. **Ann Intern Med**. 2002; 137:298-9.
5. **Jafar TH**, Chaturvedi N, Gul A, Khan AQ, Schmid CH and Levey AS. Ethnic differences and determinants of proteinuria among South Asian subgroups in Pakistan. **Kidney Int**. 2003; 64:1437-44. IF 8.3 [citations 171]
6. **Jafar TH**, Levey AS, Jafary FH, White F, Gul A, Rahbar MH, Khan AQ, Hattersley A, Schmid CH and Chaturvedi N. Ethnic subgroup differences in hypertension in Pakistan. **J Hypertens**. 2003; 21:905-12. IF 4.7 [Citations 141]
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