



ISPOR Pakistan Chapter Annual Report 2014

TO:

Board of Directors

International Society for Pharmacoeconomics and Outcomes Research

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Background:

The Pakistan Chapter was approved in April 2009. The chapter presently has 22 members.

The current leadership of the ISPOR Pakistan Chapter is comprised of the following:

President

Anwar-ul-Hassan Gilani,

PhD – Pharmacology (Sydney)

The Aga Khan University Medical College,

Karachi, Pakistan

Vice President

Muhammad Ashar Malik

M.Sc. Health Economics (York)

The Aga Khan University Medical College,

Karachi Pakistan

For more information on the Pakistan Chapter, please visit the ISPOR Pakistan Chapter website at http://www.ispor.org/regional_chapters/Pakistan/index.asp

Enclosure: ISPOR Pakistan Chapter Annual Report 2014.

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<p>Activities / Accomplishments</p>	<p style="text-align: center;">Summary</p> <p>The ISPOR Pakistan chapter is gradually improving a critical mass in the field of health economics and outcome research in the Pakistan. We are attempting to improve research through better coordination of our members placed outside Pakistan and local chapter members. Our educational activities are spreading the knowledge of health economics and outcome research in Pakistan. Many members have achieved national and international recognition in health care research and policy areas. The president of Pakistan chapter Prof. Anwar-ul-Hassan Gilani was recently conferred Fellowship of TWAS- the World Academy of Sciences for the Advancement of Science in Developing Countries, in a ceremony held in Muscat, Oman on Oct 27, 2014 and was also awarded the ‘Dr. ZA Hashmi R&D Gold Medal’ by the Pakistan Science Foundation (PSF) for being the most outstanding and productive Principal Investigator of PSF funded projects in past 10 years. The Medal was awarded in a graceful ceremony held in Islamabad on November 10, 2014 on the occasion of ‘World Science Day for Peace and Development (Photograph attached showing Prof. Gilani receiving Gold medal and award from the Mr Zahid Hamid, Minister for Science and Technology. Another member of the chapter namely Zaheer-ud-din Babar has been appointed as founding editor of Journal of Pharmaceutical Policy and Practice. He is currently Head of Pharmacy Practice at School of Pharmacy, University of Auckland. The vice president of the chapter has been enrolled in a PhD program in Health economics at Erasmus University, The Netherlands.</p>
<p>Scientific / Educational Activities</p>	<p>The key scientific and educational activities on health economics and outcomes research carried out during 2014 by the chapter members in Pakistan context are summarized below:</p> <ol style="list-style-type: none"> 1. Prof. Anwar Gilani delivered invited/plenary lectures: <ol style="list-style-type: none"> a. 3rd Science One Conference on Drug Discovery and Development, Jan 21-23, 2014, Dubai; Plenary lecture; Title: New leads towards drug discovery from natural products b. 17TH WORLD CONGRESS OF BASIC AND CLINICAL PHARMACOLOGY, CAPE TOWN 13-18 JULY2014, Presentation Title: Efficacy and safety of bioactive phytochemicals is influenced by their ability to interact with multiple target sites c. 3rd Pakistan Academy of Sciences-Chinese Academy of Science, Bi-national conference on Nano-science and Technology, Drug Development, and Atmospheric Physics and Environment. Joint meetings of Academy of Sciences, held on December 22, 2014, in Islamabad. Title: Efficacy & Safety of Natural Products is influenced by Presence of Synergistic and/or side effects Neutralizing Combinations 2. Prof. Anwar Gilani published following articles <ol style="list-style-type: none"> a. Jamshed H, Gilani AH. 2014. Almonds Inhibit Dyslipidemia and Vascular Dysfunction in Rats through Multiple Pathways. <i>Journal of</i>

- Nutrition* 144(11):1768-74; doi:10.3945/jn.114.198721.
- b. Amin A, Mehmood MH, Siddiqui BS, Khatoon, **Gilani AH**. Co-administration of Black seeds and Turmeric shows enhanced efficacy in preventing metabolic syndrome in fructose-fed rats. *Journal of Cardiovascular Pharmacology* published online; DOI: 10.1097/FJC.0000000000000179
 - c. Amin F, Islam N, Anila N, **Gilani AH**. 2015. Clinical efficacy of the co-administration of turmeric and black seeds (Kalongi) in metabolic syndrome - A double blind randomized controlled trial- TAK-MetS Trial. *Complementary Therapies in Medicine* DOI: <http://dx.doi.org/10.1016/j.ctim.2015.01.008>
 - d. Ahmed T, **Gilani AH**. 2014. Therapeutic potential of Turmeric in Alzheimer’s disease: curcumin or curcuminoids? *Phytotherapy Research* 28 (4): 517-25; DOI: 10.1002/ptr.5030
 - e. Siddiqui SH, Majeed A, **Gilani AH**. Pharmacological basis for the medicinal use of *Wrightia tinctoria* in hypertension and dyslipidemia. *Journal of Cardiovascular Pharmacology* 64(2): 151-63; doi: 10.1097/FJC.0000000000000100.
 - f. Khan M, Subhan F, Khan AU, Abbas M, Ali G, Rauf K, **Gilani AH**. 2014. Nature cures nature: *Hypericum perforatum* attenuates physical withdrawal signs in opium dependent rats. *Pharmaceutical Biology* 52 (5) 586-90; DOI: 10.3109/13880209.2013.854811
 - g. Khan M, Khan AU, Rehman NU, **Gilani AH**. 2014. Blood pressure lowering, vasodilator and cardiac-modulatory effects of *Carum roxburghianum*-possible pharmacodynamics. *Clinical and Experimental Hypertension* DOI: 10.3109/10641963.2014.913602.
 - h. Khan M, Khan AU, Rehman NU, **Gilani AH**. 2014. Blood pressure lowering effect of *Morus alba* is mediated through Ca⁺⁺ antagonist pathway. *International Journal of Pharmacology* 10(4): 225-230; DOI: 10.3923/ijp.2014.225.230.
 - i. Khan M, Khan AU, Rehman NU, **Gilani AH** (2014). Pharmacological basis for the medicinal use of *Lens culinaris* in gastrointestinal and respiratory disorders. *Phytotherapy Research* 28(9): 1349-58; DOI: 10.1002/ptr.5136.
3. The chapter vice president Ashar Malik continues teaching at graduate level in courses titled 1) Health Economics 2) Cost effectiveness and cost analysis in M.Sc. health policy and management program.
 4. Aga Khan University started a PhD program in health sciences in 2014. Course on health economics and cost effectiveness analysis are included in the curriculum of the PhD program
 5. A study on cost effectiveness of family planning methods is recently been completed in Pakistan
 6. A paper on economic burden of mental health in Pakistan is submitted to BMJ Mental health.
 7. An invited paper titled “How to write systematic reviews?” is published

	<p>in July issue of the Journal of Pakistan Medical Association.</p> <p>8. A paper on cost effectiveness analysis is invited for publication in educational section of Journal of College of Physician and Surgeon of Pakistan.</p> <p>9. A paper titled “Differential pricing of pharmaceuticals: a bibliometric review of the literature” is published in Journal of Pharmaceutical Health Services Research is published in June 2014 by a member of the chapter namely Zaheerud-Din Babar</p> <p>10. Chapter vice president conducted a university wide lecture titled cost effective medical decision making” under continuing medical education program of Aga Khan University on 3rd September 2014</p>
Policy-Related Activities	<p>11. At national level a new National Health Services Regulations and Coordination has emerged after three years. The Ministry of health of Pakistan was dissolved in 2010 and health sector was transferred to provinces. The chapter members at various levels have advocated the need for a national level health ministry for health policy, coordination and stewardship related functions.</p>
Conferences and/or Chapter Meetings	<p>The chapter could not conduct national level annual general meeting due to bad law and order situation in Karachi and elsewhere in Pakistan.</p>
Membership Development	<p>Three new members from Pakistan have joined the local chapter that makes total membership to 22.</p>
Other	<p>N/A</p>

Upcoming Activities for ISPOR Pakistan Chapter 2015

Date	Activities
February	<p>Chapter will organize a Plenary on Universal Health Coverage in Pakistan at the Aga Khan National Symposium on Cancer on 22th February 2015</p> <p>Chapter will make a research presentation on Reproductive, Maternal and neonatal child health expenditure in Pakistan over a decade in National Seminar on Tracking progress on MDG- Countdown 15 on , on 26th February 2015</p>
TBD	Annual chapter meeting
June	Membership renewal call
July	Chapter elections for new president and president elect