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### **EDUCATION BACKGROUND**

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**1990:** Masters of Medicine in Obstetrics and Gynaecology, University of Nairobi (Kenya)

**1982:** Bachelor of Medicine and Bachelor of Surgery, University of Karachi (Pakistan)

### **WORK EXPERIENCE**

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**2012 to date:** Associate Professor, Department of Obstetrics and Gynaecology, University of Nairobi

**2012 to 2015:** Chairperson, Department of Obstetrics and Gynaecology, University of Nairobi

**2005 - 2012:** Senior Lecturer, Department of Obstetrics and Gynaecology, University of Nairobi

**1993 - 2005:** Lecturer, Department of Obstetrics and Gynaecology, University of Nairobi

**1990 - 1993:** Specialist, Obstetrics and Gynaecology, Machakos General Hospital

**1986 - 1990:** Senior Medical Officer, Obstetrics and Gynaecology at Kenyatta National Hospital while working towards the M.Med degree

**1984 - 1986:** Medical Officer, Casualty – Kenyatta National Hospital

**1983 - 1984:** Internship, Kenyatta National Hospital

### A. BOOK CHAPTERS

- 1) **Qureshi Z**, Murage A. Development of Basic Obstetric Theater Facility in a Low- resource Setting. In: Coomarasamy A, Shafi MI, Davila GW, et al, eds. *Gynecologic and Obstetric Surgery Challenges and Management Options*. 1<sup>st</sup> ed. West Sussex: John Wiley & Sons, 2016. Chapter 167: p.499-501.

### B. INTERNATIONAL JOURNALS

#### 1. Publications

1. Mitchell, EJ, Benjamin S, Ononge S, Ditai J, **Qureshi Z**, Masood SN, Whitham D, Godolphin PJ, Duley L. **Identifying women giving birth preterm and care at the time of birth: a prospective audit of births at six hospitals in India, Kenya, Pakistan and Uganda.** *BMC Pregnancy Childbirth* **20**, 439 (2020). July <https://doi.org/10.1186/s12884-020-03126>
2. Brizuela V, Bonet M, Romero CLT, Abalos E, Baguiya A, Fawole B, Knight M, Lumbiganon P, Minkauskienė M, Nabhan A, Osman NB, **Qureshi ZP**, Souza JP. **"Early evaluation of the 'STOP SEPSIS!' WHO Global Maternal Sepsis Awareness Campaign implemented for healthcare providers in 46 low, middle and high-income countries."** *British Medical Journal* . 2020;10(5).
3. M Bonet, V Brizuela, E Abalos, C Cuesta, A Baguiya, and The WHO Global Maternal Sepsis Study (GLOSS) Research Group\***Frequency and management of maternal infection in health facilities in 52 countries: Results of the WHO Global Maternal Sepsis Study (GLOSS), a one-week inception cohort.** *Lancet Global Health*. *Lancet Glob Health* 2020;8: e661–71
4. Widmer M, Piaggio G, Hofmeyr GJ, Carroli G, Coomarasamy A, Gallos I, Goudar S, Gülmezoglu AM, Lin Lin S, Lumbiganon P, Mugerwa K. **Maternal characteristics and causes associated with refractory postpartum haemorrhage after vaginal birth: a secondary analysis of the WHO CHAMPION trial data.** *BJOG: An International Journal of Obstetrics & Gynaecology*. 2019 Dec 6. 127 (5), 628-634
5. WHO ACTION Trials Collaborators. **The World Health Organization ACTION-I (Antenatal Corticosteroids for Improving Outcomes in preterm Newborns) Trial: a multi-country, multi-centre, two-arm, parallel, double-blind, placebo- controlled, individually randomized trial of antenatal corticosteroids for women at risk of imminent birth in the early preterm period in hospitals in low-resource countries.** *Trials*. 2019 Dec 1;20(1):507.
6. Gomez P, Sanghvi H, Mohan D, Litwin L, Bazant E, MacDowell T, Onsase L, Wabwile V, Waka C, **Qureshi Z**, Omanga E, Gichangi A and Muia R. **Effectiveness of an Electronic Partogram: A Mixed-Method, Quasi-experimental Study.** *Global Health: Science and Practice* December 2019, 7(4):521-539; <https://doi.org/10.9745/GHSP-D-19-00195>

7. Kivai, J.M., Kayima, J.K., Were, A.O. and **Qureshi, Z.** **Foetal outcome in women with Pregnancy related Acute Kidney Injury in a referral facility in Kenya** IOSR Journal of Dental and Medical Sciences. 2019 Nov 18(11):52-56. DOI: 10.9790/0853-1811095256
8. Thanh BY, Lumbiganon P, Pattanittum P, Laopaiboon M, Vogel JP, Oladapo OT, Pileggi-Castro C, Mori R, Jayaratne K, **Qureshi Z**, Souza J. Mode of delivery and pregnancy outcomes in preterm birth: a secondary analysis of the WHO Global and Multi-country Surveys. Scientific reports. 2019 Oct 29;9(1):1-8
9. Ismail LW, **Qureshi ZP**, Ojwang SB. The acceptability of HIV testing among women receiving post abortion care. South Sudan Medical Journal. 2019;12(3).
10. Kivai, J.M., Kayima, J.K., Were, A.O. and **Qureshi, Z.** **Impact of Pregnancy Related Acute Kidney Injury on foetal survival: a single Centre Experience in Kenya.** IOSR Journal of Dental and Medical Sciences. 2019 July 18(7):13-17.
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12. Parmar D, **Qureshi ZP**, Lubano K, Kilonzo MK, Gwako GN, Odawa FX, Osoti A, Keriki O, Koigi PK, Kosgei RJ, Kihara AB, Ndavi PM, and Ogotu O. **Use of the Robson Classification to compare Caesarean Section patterns at the Kenyatta National Hospital after and before free Maternity Services in Kenya.** *J. Obst. Gynae. East Central. Afr.* July 2018, 30(2) 46-51 *Published July 2019*
13. Odhiambo SA, **Qureshi ZP**, Ndavi PM, Kosgei RJ, Kihara AB, Ayieko P, Koigi PK, Osoti A, Odawa FX, Gwako GN, Kilonzo MK, Keriki O and Ogotu O. **Early Neonatal Outcomes among Mothers receiving variable doses of Dexamethasone for Preterm Premature Rupture of Membranes at Kenyatta National Hospital: A retrospective Cohort Study** *J. Obst. Gynae. East Central. Afr.* July 2018, 30(2) 54-61 *Published July 2019*
14. Odhiambo SA, **Qureshi ZP**, Ndavi PM, Kosgei RJ, Kihara AB, Ayieko P, Koigi PK, Osoti A, Odawa FX, Gwako GN, Kilonzo MK, Keriki O, and Ogotu O. **Born Too Soon: Provide Corticosteroids at the earliest opportunity even if dose is not completed.** *J. Obst. Gynae. East Central. Afr.* July 2018, 30(2) 62-63 *Published July 2019*
15. Parmar D, **Qureshi ZP**, Lubano K, Kilonzo MK, Gwako GN, Odawa FX, Osoti A, Keriki O, Koigi PK, Kosgei RJ, Kihara AB, Ndavi PM and Ogotu O. **Policy Brief - Increasing Caesarean Section rates among low risk women after introduction of free maternity services in a Kenyan National Referral Hospital – What can be done?.** *J. Obst. Gynae. East Central. Afr.* July 2018, 30(2) 52-53 *Published July 2019*

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17. Danielly S. Santana, Carla Silveira, Maria L. Costa, Renato T. Souza, Fernanda G. Surita, João P. Souza, Syeda Batool Mazhar, Kapila Jayaratne, **Zahida Qureshi**, Maria H. Sousa, Joshua P. Vogel, José G. Cecatti and on behalf of the WHO Multi-Country Survey on Maternal and Newborn Health Research Network **Perinatal outcomes in twin pregnancies complicated by maternal morbidity:evidence from the WHO Multicountry Survey on Maternal and Newborn Health** *BMC Pregnancy and Childbirth* (2018) 18:44 <https://doi.org/10.1186/s12884-018-2082-9>
18. Widmer, M., Piaggio, G., Nguyen, T.M., Osoti, A., Owa, O.O., Misra, S., Coomarasamy, A., Abdel-Aleem, H., Mallapur, A.A., **Qureshi, Z.** and Lumbiganon, P., 2018. **Heat-Stable Carbetocin versus Oxytocin to Prevent Hemorrhage after Vaginal Birth**. *New England Journal of Medicine*. *N Engl J Med* August 2018; 379:743-752. DOI: 10.1056/NEJMoa1805489
19. Muhula,S., Opanga, Y., Kuyo, M., **Qureshi, Z.**, Memiah, P. and Ndirangu M. **Use of performance dashboards in health care project management: a case of an international health development organization in Kenya**. *Africa Health Agenda International Journal*. June 2018; 1:41.
20. WHO Odon Device Research Group. **Odon device for instrumental vaginal deliveries: results of a medical device pilot clinical study** March 2018 *Reproductive Health* 2018 15:45 DOI:10.1186/s12978-018-0485-8
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23. JP. Vogel, OT. Oladapo, C Pileggi-Castro, E A. Adejuyigbe, F Althabe, S Ariff, A Idowu Ayede, AH. Baqui, A Costello, D M. Chikamata, C Crowther, B Fawole, L Gibbons, A H. Jobe, M L Kapasa<sup>1</sup>, J Kinuthia, A Kriplani, O Kutu, J Neilson, J Patterson, G Piaggio, R Qureshi, **Z Qureshi**, M J Sankar, J S. A. Stringer, M Temmerman, K Yunis, R Bahl, A. M Gülmezoglu **Antenatal corticosteroids for women at risk of imminent preterm birth in low-resource countries: the case for equipoise and the need for efficacy trials** *British Medical Journal Global Health* 2(3):e000398 · August 2017 DOI: 10.1136/bmjgh-2017-000398 · License: CC BY 4.0

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25. Motomura K, Ganchimeg T, Nagata C, Ota E, Vogel JP, Betran AP, Torloni MR, Jayaratne K, Jwa S, Mittal S, Recidoro Z, Matsumoto K, Fujieda M, Nafiou I, Yunis K, **Qureshi Z**, Souza JP, Mori R. **Incidence and outcomes of uterine rupture among women with prior caesarian section: WHO Multicountry survey on Maternal and Newborn Health** *Scientific reports* DOI:10.1038/srep 44093
26. Edgardo Abalos, Aniekhan Abasiattai, Linda Bartlett, Fernando Bellissimo Rodrigues, Arri Coomarasamy, Maria Fernanda Escobar Vidarte, Carlos Fuchtnner, Asmae Khattabi, David Lissauer, **Zahida Qureshi**, Sadia Shakoor, Claudio G Sosa, and Jos van Roosmalen **The Global Maternal and Neonatal Sepsis Initiative: a call for collaboration and action by 2030** [www.thelancet.com/lancetgh](http://www.thelancet.com/lancetgh) Vol 5 April 2017 e390 [http://dx.doi.org/10.1016/S2214-109X\(17\)30020-7](http://dx.doi.org/10.1016/S2214-109X(17)30020-7)
27. Kim CR, Tunçalp Ö, Ganatra B, Gülmezoglu AM, WHO MCS-A Research Group. **WHO Multi-Country survey on abortion-related morbidity and mortality in health facilities: study protocol.** *BMJ global health.* 2016 Nov 1;1(3):e000113.
28. Njoroge MW, Michoma PM, **Qureshi Z.** **Term pregnancy in breech presentation in a unicornuate uterus: a case report** *J. Obst. Gynae. East Central. Afr.* June 2016 28(1) 18-19 *Journal published Feb 2017*
29. Hofmeyr J, **Qureshi Z.** **Preventing deaths due to haemorrhage.** *Best Practice & Research Clinical Obstetrics & Gynaecology* Elsevier, October 2016. Volume 36 (The authors were invited by the Editor-in-Chief Professor Arulkumaran to write this publication whose theme is "Ending preventable maternal and newborn deaths") <http://dx.doi.org/10.1016/j.bpobgyn.2016.05.004> (Invited review article for special edition)
30. Q. Long, OT Oladapo, S Leathersich, JP Vogel, G Carroli, P Lumbiganon, **Z Qureshi**, AM Gulmezoglu: on behalf of the WHO Multicountry Survey on Maternal and Newborn Health Research Network. **Clinical practice patterns on the use of magnesium sulphate for treatment of pre-eclampsia and eclampsia: a multi-country survey.** *BJOG* 2016; DOI: [10.1111/1471-0528.14400](https://doi.org/10.1111/1471-0528.14400).

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32. Widmer M, Piaggio G, Abdel-Aleem H, Carroli G, Chong YS, Coomarasamy A, Fawole B, Goudar S, Hofmeyr GJ, Lumbiganon P, Mugerwa K, Nguyen TM, **Qureshi Z**, Souza JP, Gülmezoglu AM. **Room temperature stable carbetocin for the prevention of postpartum haemorrhage during the third stage of labour in women delivering vaginally: Study protocol for a randomized controlled trial.** *Trials.* 2016 Mar 17;17(1):143. doi: 10.1186/s13063-016-1271-y.
33. Obimbo MM, **Qureshi Z.** **Communication in obstetrics: where and when it matters.** *J. Obst. Gynae. East Central. Afr.* Dec 2015, 27(2) 45-27 Published Jan 2017
34. B.O. Okusanya, O.T. Oladapo, Q. Long, P. Lumbiganon, G. Carroli, **Z. Qureshi**, L. Duley, J.P. Souza, A.M. Gulmezoglu. **Clinical pharmacokinetic properties of magnesium sulphate in women with pre-eclampsia and eclampsia.** *BJOG.* 2016 Feb;123 (3):356-66. doi: 10.1111/1471-0528.13753. Epub 2015 Nov 24
35. J. P. Vogel, A. P. Betrán, N. Vindevoghel, J. P. Souza, M. R. Torloni, J. Zhang, O. Tunçalp, R. Mori, N. Morisaki, E. Ortiz-Panozo, B. Hernandez, R. Pérez-Cuevas, **Z. Qureshi**, A. M. Gülmezoglu, M. Temmerman. **Use of the Robson classification to assess caesarean section trends in 21 countries: a secondary analysis of two WHO multicountry surveys.** *Lancet Glob Health*, 2015. Published online April 10, 2015 [http://dx.doi.org/10.1016/S2214-109X\(15\)70111-7](http://dx.doi.org/10.1016/S2214-109X(15)70111-7)
36. Osofi, G. N. Gwako, B. Liyayi and **Z. P. Qureshi** **Distinguishing Intrauterine Fetal Demise versus Abdominal Pregnancy in Low Resource Settings, A Case Report.** *East Afr. Med. J,* 2015,92 (2)93-96
37. J.P.Souza, M.Widmer, A.M.Gülmezoglu, T.Lawrie, E.A.Adejuyigbe,G.Carroli, C.Crowther, S.Currie, T Dowsell, J.Hofmeyr, T.Lavender, Joy Lawn, Silke Mader, F.Eulógio, Martinez, K. Mugerwa, **Z. Qureshi.** **Maternal and perinatal health research priorities beyond 2015: an international survey and prioritization exercise.** *Reproductive Health* 2014, 11:61 <http://www.reproductive-health-journal.com/content/11/1/61>

38. Ndegwa SW, Gichuhi JW, **Qureshi Z**, Lubano K. **The effect of two levels of counselling on acceptance, uptake and early outcomes of post-placental intra-uterine contraceptive device.** *East Afr. Med. J*, 2014; Dec 91 (12) 449 – 56.
39. Joshua P Vogel, João Paulo Souza, A Metin Gülmezoglu, Rintaro Mori, Pisake Lumbiganon, **Zahida Qureshi**, et al for the WHO Multi-Country Survey on Maternal and Newborn Health Research Network. **Use of antenatal corticosteroids and tocolytic drugs in preterm births in 29 countries: an analysis of the WHO Multicountry Survey on Maternal and Newborn Health.** *The Lancet* Volume 384, Issue 9957, 22–28 November 2014, Pages 1869–1877. Published Online August 13, 2014 [http://dx.doi.org/10.1016/S0140-6736\(14\)60580-8](http://dx.doi.org/10.1016/S0140-6736(14)60580-8)
40. Abalos E, Cuesta C, Carolli G, **Qureshi Z**, Widmer M, Vogel JP, et al., on behalf of the WHO Multicountry Survey on Maternal and Newborn Health Research Network. **Pre-eclampsia, eclampsia and adverse maternal and perinatal outcomes: a secondary analysis of the World Health Organization Multicountry Survey on Maternal and Newborn Health.** *BJOG* 2014;121(Suppl. 1):14–24.
41. Dragoman M, Sheldon WR, **Qureshi Z**, Blum J, Winikoff B, Ganatra B. On behalf of WHO Multicountry Survey on Maternal and Newborn Health Research Network. **Overview of abortion cases with severe maternal outcomes in the WHO Multicountry Survey on Maternal and Newborn Health: a descriptive analysis.** *BJOG* 2014; 121(Suppl. 1):25–31.
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44. Ndungu Wachira, Tamooch H, **Qureshi Z**. **Prevalence of cervical cytology abnormalities among women attending antenatal clinic at Kenyatta National Hospital.** *J. Obst. Gynae. East Central. Afr.* 2011 Vol 23, No 2:37-41 journal published in August 2012
45. Tonui PK, **Qureshi Z**, Ndirangu G. **Estimation of Blood loss after vaginal delivery.** *J. Obst. Gynae. East Central. Afr.* 2011 Vol 23, No 2:55-60. Journal published in August 2012

46. A M Gulmezoglu, P Lumbiganon, S Landousli, M Widmer, HA Aleem, M Festin, G Carroli, , **Z Qureshi** J P. Souza, et al., **Active Management of the third stage of labour with and without controlled cord traction: a randomized controlled non-inferiority trial.** *The Lancet* 379, Issue 9827, 172-1727 5<sup>th</sup> May 2012, online 6<sup>th</sup> March 2012
47. JP Souza, A M Gulmezoglu, G Carroli, P Lumbiganon, **Z Qureshi**, WHO MCS Research Group, **The World Health Organization Multicountry Survey on Maternal and Newborn Health.** *BMC Health Services Research* 2011, 11:286 <http://www.biomedcentral.com/1472-6963/11/286>
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50. Jaldesa G.W, **Qureshi Z.P.**, Kigonde C.S. **Psychosexual problems associated with Female Genital Mutilation (FGM).** *J. Obst. Gynae. East Central. Afr.* 2010; 22(1):1-6
51. **Rapid assessment of the utilization of the Partograph in Maternity units in Kenya.** **Qureshi Z**, Kigonde CS, Mutiso S. *East. Afr. Med. J* 2010;87 (6):87,235-241
52. Ndungu J.R., Amayo A., **Qureshi Z.P.**, Kigonde C.S. **Gestational Thyrotoxicosis associated with Emesis in early Pregnancy.** *East. Afr. Med.J* 2009; 86 (2) 55 – 58
53. Gulmezoglu A.M., Widmer M., Merialdi M., **Qureshi Z.P.**, Piaggio G., Elbourne D., Abdel-Aleem H., Carroli G., Hofmeyr J., Lumbiganon P., Derman D., Okong P., Goudar S., Festin M., Althabe F., Armbruster D., **Active management of the third stage of labour without controlled cord traction: a randomized non- inferiority controlled trial.** *Reproductive Health* 2009: 6:2 (21 Jan 2009) doi:10.1186/1742-4755-6-2, <http://www.reproductive-health-journal.com/content/6/1/2>
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57. Stanback J., Nakintu N., **Qureshi Z.P.**, Nasution M. **Does Assessment of Signs and Symptoms Add to the Predictive Value of an Algorithm to Rule out Pregnancy?** *Journal of Family Planning and Reproductive Health Care* 2006; 32 (1):27-29
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60. Stanback J., Nutley T., Gitonga J, **Qureshi Z.P.** **Menstruation Requirements as a Barrier to Contraceptive Access in Kenya.** *East. Afr. Med. J* 1999; 76 (3): 124-126
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62. Jaldesa G.W., **Qureshi Z.P.**, Wanjala S.M.H., Sekadde-Kigonde C. **Factors Enhancing the Practice of Female Genital Mutilation among the Kenyan Somalis.** *J. Obst. Gynae. East Central. Afr.* 1998; 14 (2), 110 – 114
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65. **Qureshi Z.P.** Solomon M.M. **A Survey on the knowledge and attitudes of men in Machakos town towards Vasectomy.** *J. Obst. Gynae. East Central. Afr.* 1995; 11 (1): 10 – 14

66. **Qureshi Z.P.** Sekadde-Kigonde C. B. **A Survey to determine the knowledge attitude and practice of Family Planning among the Nursing Staff of Kenyatta National Hospital.** *J. Obst. Gynae. East Central. Afr.* 1991; 9 (1): 49 – 53

### C. UNIVERSITY DISSERTATION

**Qureshi Z.P.** Thesis for the University of Nairobi, *Master of Medicine in Obstetrics and Gynaecology, 1989.* Ultrasonic fetal femur length measurement for gestational age assessment and Knowledge attitudes and practice of family planning amongst the nursing staff of Kenyatta National hospital.

### D. REPRODUCTIVE HEALTH RESEARCH ABSTRACTS

1. Sekkade–Kigonde C., **Qureshi Z.P.**, Karanja J.G., Jaldesa G.W., Kaihura D.M.M. Abstracts of Research in Reproductive Health by Department of Obstetrics and Gynaecology 1971 – 1995. Published 1996
2. Sekkade–Kigonde C., **Qureshi Z.P.**, Karanja J.G., Jaldesa G.W., Kaihura D.M.M. Abstracts of Research in Gynaecology and Family Planning by Department of Obstetrics and Gynaecology 1971 – 1995. Published 1996

### E. CONFERENCE PROCEEDINGS

- 1) **Qureshi Z.**, Osoti A. Maternal and perinatal morbidity and mortality in Kenya: Findings of the World Health Organization Multi-country survey(WHO-MCS) on maternal and newborn health *J. Obst. Gynae. East Central. Afr.*2015;Vol 27(2) 57 Abstract 108
- 2) Burke TF, Nelson BD, Eckardt M, Dulo L, Oguttu M, Maua J, **Qureshi Z.**, Ahn R: Ultra-Low Uterine Balloon Tamponade Package for Postpartum Hemorrhage control among health provides in Kenya. *Research Forums Abstracts:Annals of Emergency Medicine* Vol 62(4S) Oct 2013 Abstract 279
- 3) **Qureshi Z.P.**, Raassen T.J.I.P. Obstetric Fistula Repair Programme of the Department of Obstetrics and Gynaecology of the University of Nairobi. Abstract published as Conference proceedings of the 1<sup>st</sup> Meeting of the East, Central and Southern Africa Association of Obstetrical and Gynaecological Societies (ECSAOGS), Uganda 1997; 269-277 Published 1998

## F. RESEARCH LETTER

1. Stanback J., **Qureshi Z.P.**, Kigundu C., Gonzalez B., Nutley T. "Checklist for Ruling out Pregnancy among Family Planning Clients in Primary Care" *The Lancet Research letter* 1999; 354(9178):56

## G. EDITORIALS

1. **Qureshi Z.P.** Editorial: Maternal Health. *J. Obst. Gynae. East Central. Afr* 2010; 22(2)i-iii
2. **Qureshi Z.P.** Editorial: Obstetrical emergencies in relation to millennium development goals. *East. Afr. Med. J* 2008; 85(2) 53 – 55
3. **Qureshi Z.P.** Editorial: Safe motherhood in Africa: Achievable Goal or a Dream? *East. Afr. Med. J* 2005; 82 (1):1 – 2
4. **Qureshi Z.P.** Editorial: Management of Hypertensive Disease in Pregnancy. *East. Afr. Med. J* 2002; 79(4):169-171

## H. WHO REPRODUCTIVE HEALTH LIBRARY COMMENTARIES

- 1) **Qureshi Z.P.**, Lubano K. Timing of Prophylactic uterotonics for third stage of labour after vaginal delivery RHL Commentary 1 July 2011, the WHO Reproductive Health Library Geneva, World Health Organization
- 2) **Qureshi Z.P.** Bed rest in singleton pregnancies for preventing preterm birth: RHL practical aspects (last revised: 31 August 2007). *The WHO Reproductive Health Library*; Geneva: World Health Organization
- 3) **Qureshi Z.P.** Bed rest in singleton pregnancies for preventing preterm birth: RHL commentary (last revised: 31 August 2007). *The WHO Reproductive Health Library*; Geneva: World Health Organization.
- 4) Lubano K., **Qureshi Z.P.** Antihypertensive drug therapy for mild-to-moderate hypertension during pregnancy: RHL practical aspects (last revised: 8 October 2007). *The WHO Reproductive Health Library*; Geneva: World Health Organization.
- 5) Lubano K., **Qureshi Z.P.** Antihypertensive drug therapy for mild-to-moderate hypertension during pregnancy: RHL commentary (last revised: 8 October 2007). *The WHO Reproductive Health Library*; Geneva: World Health Organization

## I. ACKNOWLEDGEMENTS IN PUBLICATIONS

- 1) Omotayo M O, Dickin K L, Pelletier D L et al. **Feasibility of intergrating calcium and iron-folate supplementation to prevent preeclampsia and anemia in pregnancy in primary healthcare facilities in Kenya.** *Maternal and Child Nutrition* DOI:10.1111/mcn.12437 March 2018

## Past Research Activities

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1. **'Saving the lives of those born too soon; A mixed methods study of essential newborn care in Kenya'**. A collaborative study with University of Nottingham Clinical Trials Unit. Data collection was conducted at Kenyatta National Hospital between 5<sup>th</sup> March to 30<sup>th</sup> April 2019. Stakeholders meeting was held on 2<sup>nd</sup> and 3<sup>rd</sup> July 2019. **Role:** Principal Investigator.
2. **ePartogram effectiveness study in Kenya** in collaboration with JHPIEGO Baltimore and Kenya. The study period was August 2016 – May 2017 in Kisumu and Meru counties.  
**Role:** Co-Principal Investigator. Manuscript under preparation for submission.
3. "A phase III, randomized, double-blind, active, controlled, multinational, multicentre, non-inferiority trial using Carbetocin room temperature stable (RTS) for the prevention of postpartum haemorrhage during the third stage of labour in women delivering vaginally" **CHAMPION TRIAL** .  
Data collection from January 2016 to July 2017. **Role:** Principal Investigator.
4. **WHO Multi-Country Survey on Abortion (WHOMCS-A): Abortion-related Morbidity in the Facilities.** Data collection from May – December 2017. Kenya was one of the 11 African countries and part of the 28 global countries. In Kenya 23 public hospitals are participate in this survey.  
**Role:** Country Coordinator (Kenya) and Regional Coordinator (Anglophone countries in Africa).
5. **GLOBAL MATERNAL SEPSIS STUDY (GLOSS)**, part of the "Global Maternal and Neonatal Sepsis Initiative" which has the overall goal of accelerating reduction of preventable maternal and newborn deaths related to sepsis. Kenya was one of the 57 countries. Data collection from November to December 2017.
6. **"Woman Trial - World Maternal Antifibrinolytic Trial" Tranexamic acid for treatment of PPH: An International randomized double blind placebo controlled trial.** Country coordinator for 8 hospitals. Completed April 2016.
7. **I-CORD Audit on current practice for timing of cord clamping and neonatal care at preterm births in low and middle income countries.** A collaboration with University of Nottingham Clinical Trials Unit. Data collected from July to August 2015.

8. **Integrating strategies for the prevention of preeclampsia and anemia into community-based programs in Kenya (calcium supplementation)**  
Conducted by Cornell University, Micro-Initiative, AMREF, the University of Nairobi Department of Obstetrics & Gynecology, and the Ministry of Health.
9. **“Community Based Maternal and Newborn Program (CBMNH) “Linda Afya ya Mama na Mtoto Project”**; Project Partners, Micronutrient international, AMREF, U.O.N, PRONTO-2, MOPHS. UON Team to conduct External Evaluation of Project. University of Nairobi Team Members Prof. Wambui Kogi-Makau, Dr. Alice M. Mwangi, **Dr Zahida Qureshi**, Mr. Dasel Mulwa W. Kaindi; Project duration 2012 to 2015.
10. **Maternal Death Audit at Kenyatta National Hospital**; Project team – **Prof. Zahida Qureshi**, Prof. Christine Kigundu, Dr. Philomena Owende, Dr. Faiza Nassir.
11. **Introduction of Misoprostol for prevention of PPH at community level in pilot districts in Kenya** Division of Reproductive Health /Kenya Obstetrics and Gynaecology Society/Venture Strategies Innovations. Data collection from December 2009 to August 2010
12. **WHO Active Management of the Third Stage of Labour without Controlled Cord Traction: A Randomized Non-Inferiority Controlled Trial.** Data collection June 2010 to September 2011 Paper published 1<sup>st</sup> online Lancet 6<sup>th</sup> March 2012
13. **Advocacy to increase access to information and use of Misoprostol for Prevention of Postpartum Haemorrhage at Community Level (Emuhaya District).** Data collection November 2010 to June 2011
14. **World Health Organization Multi-country survey on Maternal and Newborn Health-survey conducted in 29 countries worldwide.** Data collection July to October 2011.
15. **Service Delivery Guidance Grant of WHO for Collaborating Centre**; Prof JBO Oyieke, **Dr Z. Qureshi**, Dr M Machoki, Prof C.S. Kigundu (2008).
16. **Quality of antenatal and intrapartum care received by obstetric fistula patients (2008).** Conducted at KNH, paper published in Journal of Obs/Gyn East Central Africa December 2010.
17. **Survey on depression in Kenyan obstetric fistula patients Z Qureshi, S Mutiso (2008).** Conducted at KNH, paper published in Journal of Obs/Gyn East Central Africa July 2010.
18. **Rapid Assessment of the Utilization of the Partograph in Maternity Units in Kenya Dr Z. Qureshi**, Prof Kigundu, Dr Rupani, Mrs. T Oduori (2002). Collaboration of Ministry of Health and WHO/AFRO; Paper published in EAMJ

19. **Focus Group Discussion on the Newer Prototypes of Female Condom;** Kilbourne M, Coffey P, **Qureshi Z**, Kigonde C, Mugwe E (**September 2001**). Study conducted with Path.
20. **Improving Services for Non-Menstruating Family Planning Clients In Kenya;** Stanback J, **Qureshi Z**, Nutley T., Kigonde C. (**1997-1998**). Study conducted in collaboration with Family Health International at seven sites in Kenya. Research findings published in Lancet and EAMJ
21. **Menstruation Requirements as a Barrier to Contraceptive Access in Kenya;** Stanback J, Nutley T, Gitonga J, **Qureshi Z**. (**1997 Pilot Study**) Conducted in 19 Ministry of Health facilities in Kenya in collaboration with Family Health International.

### Ongoing Research Activities

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1. **WHO Multi-country Randomized Trial of Antenatal Corticosteroids for Women in Preterm Labour to Improve New-born Outcomes (ACTION).** The Trial is being conducted in five countries in Africa and Asia. In Kenya, the study is ongoing in four hospital namely: Kiambu level 5, Thika Level 5, Nakuru Level 5 and Coast County and referral hospital. **Role:** Principal Investigator.
2. **WHO Prevalence and outcomes of abnormal continuous wave Doppler flow indices in unselected and low-risk pregnancies in low- and middle-income countries: The Umbiflow™ International Study.** The study is a collaboration between Translational Health Science and Technology Institute-India, University of Rwanda, University of Ghana, South Africa Medical Research Council-South Africa, University of Nairobi-Kenya and World Health Organization. In Kenya, the study sites are Mbagathi County Hospital and St Mary's Hospital Nairobi. **Role:** Principal Investigator.
3. **"Evaluating the WHO Labour Care Guide in Clinical Settings"**. The study is a collaborative study between Burnet Institute, Melbourne-Australia and University of Nairobi. The aim of the study is for healthcare providers to pilot-test the Labour Care Guide (LCG) in clinical settings, in order to evaluate its usability, feasibility and acceptability, as well as barriers and facilitators to its use. The countries participating in the study include Kenya, India, Tanzania, Malawi, Argentina and Nigeria. In Kenya, Kenyatta National Hospital and St. Mary's Mission Hospital have been identified as the participating sites. Data collection and analysis complete. Manuscript write up and dissemination planning is pending. **Role:** Principal Investigator.

## Planned Research Activities

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1. **Optimising Nutrition to Save the Lives of those “Born Too Soon”.** The project is a collaborative study between University of Nairobi and University of Nottingham. The overall aim of this project is to collect data and assess the feasibility of conducting a large-scale RCT to develop optimal feeding strategies that improve nutrition and reduce the risk of infections in pre-term infants to reduce neonatal morbidity and mortality in Kenya. **Role:** Co-Principal Investigator
2. **An investigation into the barriers and facilitators of scaling up the innovative, low-cost Ellavi Uterine Balloon Tamponade for postpartum hemorrhage in Kenya.** The study is a collaborative study between PATH, Ministry of Health and the University of Nairobi. The aim of the study is to generate evidence that informs the successful uptake and adoption of the Ellavi UBT within Kenyan PPH management programs.  
**Role:** Principal Investigator
3. **Early detection and treatment of postpartum haemorrhage using the World Health Organization MOTIVE bundle (E-MOTIVE study).** It is a collaborative study between University of Nairobi and University of Birmingham. The aim of the study is to evaluate the effectiveness of early detection and the WHO MOTIVE ‘first response’ treatment bundle on critical clinical maternal outcomes. The study aims to evaluate the intervention and the implementation strategy through mixed-methods and carry out a health economic evaluation from the public healthcare system perspective. The study has three components namely:
  - i. “Understanding effectiveness of implementation of a postpartum haemorrhage initial response bundle (E-MOTIVE Formative)
  - ii. Quality of oxytocin and tranexamic acid in selected facilities in six countries
  - iii. E-MOTIVE trial “Early detection of postpartum haemorrhage and treatment using the World Health organization MOTIVE ‘first response’ bundle: a cluster randomised trial with health economic analysis and mixed-methods evaluation.

**Role:** Principal Investigator

## Supervision of M.Med Post-graduate Students Dissertation at University of Nairobi. Supervision was conducted with one or other faculty member

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1. **Dr. Maryam Badamana** – (M.Med Obs/Gyn Aug 2019)
  - Incidence and predictors of chronic hypertension following hypertensive disorders in pregnancy at Kenyatta National Hospital, a descriptive prospective cohort study.
2. **Dr. Jayne M. Kivai** – (M.Med Clinical Medicine and Therapeutics Feb 2019)
  - Assessment of characteristics of patients with pregnancy related acute kidney injury in Kenyatta National Hospital.
3. **Dr. Deepak Parmar** – (M.Med Obs/Gyn Nov 2018)
  - Use of robson classification to compare caeserian section patterns in Kenyatta National Hospital after and before introduction of free maternity services in Kenya.
4. **Dr. Njoroge M. Wairimu**-(M.Med Obs/Gyn May 2017)
  - Pregnancy outcome of women with twin gestation delivering at Kenyatta National Hospital.
5. **Dr Lado Wani Ismail** -(M.Med Obs/Gyn May 2017)
  - Factors associated with acceptability of HIV test screening among postabortion care patients at Juba Teaching Hospital, South Sudan. A cross-sectional study
6. **Dr Gitau SM.-** (M.Med Obs/Gyn May 2017)
  - Predictors of Gestational Trophoblastic neoplasm Treatment Outcomes at Kenyatta National Hospital
7. **Dr. Hellen K Munyao** (M.Med Obs/Gyn August 2016)
  - The Incidence of Episiotomy and associated morbidity among primigravid women at Mbagathi hospital.
8. **Dr. Lusike Wamukekhe** (M.Med Obs/Gyn February 2016)
  - Randomized trial to determine the effect of intense counselling on uptake of cervical cancer screening at Kenyatta National Hospital
9. **Dr. Moses Obimbo** (M.Med Obs/Gyn February 2016)
  - Comparison of placenta structure in pre-term deliveries between HIV infected and uninfected women in Kenya
10. **Dr. Hodan Ahmed** (M.Med Obs/Gyn August 2015)
  - Influence of the indications and outcomes of previous cesarean section on planned mode of delivery in women with one previous cesarean



11. **Dr. Mishbah Kaderina** (M.Med Obs/Gyn February 2014)
  - Quality of post-abortion care at Kenyatta National Hospital.
12. **Dr. Stephen M. Idua** (M.Med Obs/Gyn February 2014)
  - To determine the correlation between maternal malnutrition and neonatal outcomes at Mbagathi District Hospital.
13. **Dr. Boniface M. Wendo** (M.Med Obs/Gyn February 2014)
  - Barriers to uptake of long term and permanent family planning methods among HIV infected postpartum mothers in Kenyatta National Hospital.
14. **Dr. Allan A. Ikol** (M M.Med Obs/Gyn February 2014)
  - A community survey to evaluate the level of utilization of antenatal and delivery services in Teso, Kenya.
15. **Dr. Hussein A. Habib** (M.Med Obs/Gyn February 2013)
  - Determinants and impact of the decision-to-delivery interval for emergency caesarean section at Kenyatta National Hospital and Pumwani Maternity Hospital: A comparative study.
16. **Dr. Virginia Musau** (M.Med Obs/Gyn February 2013)
  - Prevalence of postpartum depression at Kenyatta National Hospital.
17. **Dr. Charlotte S. Kaliti** (M.Med Obs/Gyn August 2012)
  - Female Urinary Incontinence: Prevalence, Severity And Healthcare Provider Consultation Rate Among Outpatients at Kenyatta National Hospital.
18. **Dr. Alex Bosire Nyakundi** (M.Med Obs/Gyn February 2012)
  - Screening of Gestational Diabetes Among Pregnant Women at Kenyatta National Hospital
19. **Dr. George Nyakundi Gwako** (M.Med Obs/Gyn February 2012)
  - Antenatal corticosteroid use in preterm delivery at Kenyatta National Hospital
20. **Dr Sarah Ndegwa** (M.Med Obs/Gyn February 2011)
  - Acceptability, Uptake and outcomes of Post placental Intrauterine Contraceptive Device insertion.
21. **Dr R.O Obiero** (M.Med Pathology –August 2010)
  - Maternal Thyroid Hormonal Status in Pre-Eclampsia and Eclampsia at Kenyatta National Hospital: A case control Study
22. **Dr. Enock Ondari** (M.Med Obs/Gyn February 2010)
  - Factors associated with preterm birth in KNH
23. **Dr S Ndungu Wachira** (M.Med Obs/Gyn Feb 2009)
  - Prevalence of Cervical Cytology abnormalities among pregnant women in Kenyatta National Hospital
24. **Dr Phillip Kipkirui Tonui** (M.Med Obs/Gyn Feb 2009)
  - Blood Loss estimation after vaginal delivery

25. **Dr Joaquim Ogindo** (M.Med Obs/Gyn August 2008)
  - Correlation of Clinical Features of Urinary Tract Infection in Pregnancy with Isolation of Uropathogens
26. **Dr Mutiso Musyoki** (M.Med Obs/Gyn February 2007)
  - A study on knowledge, attitude and use of contraception among HIV infected women attending comprehensive care centre at Kenyatta national hospital
  - Birth preparedness and complication readiness among antenatal clients at Kenyatta national hospital
27. **Dr SM Ndiangui** (M.Med Human Pathology 2006)
  - Serum Homocystine and Lipid Profile in Pre-eclamptic patients at KNH (a comparative descriptive cross sectional study)
28. **Dr JR Ndungu** (M.Med Human Pathology 2005)
  - Thyroid dysfunction in patients with hyper emesis at Kenyatta National Hospital
29. **Dr Peter M. Ndegwa** (M.Med Human Pathology 2005)
  - CRP(C reactive protein) Levels in Pre-eclamptic Patients in Kenyatta National Hospital-A Comparative study
30. **Dr Phillip Kiptanui Kirwa** (M.Med Obs/Gyn 2004)
  - Review of the mortality in the acute Gynaecological Ward at the Rift Valley Provincial General Hospital, Nakuru
  - Management of Labour and Delivery at Pumwani Maternity Hospital
31. **Dr Stephen Wanjohi** (M.Med Obs/Gyn 2003)
  - Pattern of Caesarian Section at Machakos District Hospital.
  - Men's knowledge of attitudes towards Birth spacing and contraceptive use in Kenyatta National Hospital.
32. **Dr Timona Obura** (M.Med Obs/Gynae February 2003)
  - Outcome of pregnancy in patients with hypertensive disease at the Aga Khan Hospital, Nairobi, Kenya
  - Knowledge, Attitude and Practice of Minimal Access Surgery Among Obstetrician Gynecologists In Nairobi, Kenya
33. **Dr Kizito Mabisi Lubano** (M.Med Obs/Gynae 2002)
  - Study on use of Anti-convulsants in pre-eclampsia and Eclampsia among obstetricians in Nairobi.
  - Knowledge, Attitude and Practices concerning Risk Factors for Cervical Cancer among University Students
34. **Dr Alfred Murage** (M.Med Obs/Gynae 2002)
  - Near-Miss Maternal Morbidity at Kenyatta National Hospital
  - Acceptance of Post-Abortal Contraception in Teenagers at Kiambu District Hospital

35. **Dr Barclay Onyambu** (M.Med Obs/Gynae 2001)
- Gynaecological Management of Infertility at the Aga Khan Hospital.
  - Induction of labour with Prostaglandin E<sub>2</sub> pessaries at the Aga Khan Hospital
36. **Dr James K Ngure** (M.Med Obs/Gynae 2001)
- A Randomized Trial of Misgav-Ladach versus Traditional Caesarian Section in Two Nairobi Hospitals (Kenyatta National Hospital and Pumwani Maternity Hospital).
  - Assessment of information provided to patients by Health care workers about Gynaecology operations performed on them at Kenyatta National Hospital
37. **Dr Mulaa G Mulaa** (M.Med Obs/Gynae 2000)
- Prevalence of obstetric, anthropometric and medical high risk factors in Pregnancy among Mothers attending the antenatal clinic at Kenyatta National Hospital
  - Knowledge, Attitude and practices on screening for Cancer of the Cervix among women attending maternal and child health/family planning clinic in Kibera Estate in Nairobi.
38. **Dr Mbatha-Mukii F.** (M.Med Obs/Gynae 1999)
- A Study to assess knowledge of abortion related complications among abortion patients at Kenyatta National Hospital.
  - Pregnancy and Early Neonatal outcome in patients with premature deliveries at Kikuyu P.C.E.A. Hospital.
39. **Dr Wasike C. S. K.** (M.Med Obs/Gynae 1999)
- Determination of factors motivating users for re-acceptance Norplant Implants after 5 years of use in FPAK clinics in Nairobi and its environs.
  - Evaluation of the Impact of the Ministry of Health Partogram on Active Management of Labor at Moi Teaching and Referral Hospital – Eldoret.
40. **Dr Jaldesa G. W.** (M. Med Obs/Gynae 1997)
- Obstetric Performance at Garissa Provincial Hospital : 3 Year retrospective survey
  - Psychosexual problems associated with Female Genital Mutilation

## Training Experience

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- Trainer for Regional training courses for Laparoscopy conducted by U.O.N./JHPIEGO.
- Trainer for Regional training courses for Norplant Insertion/Removal conducted by U.O.N/ Population Council
- Trainer /Supervisor/Evaluator of the National Intern Training Programme - Minilaparotomy tubal ligation under local anaesthesia- U.O.N/M.O.H /JHPIEGO
- Trainer for the Lactation Management Committee for the U.O.N/ K.N.H which conducts 3 in-service courses on Lactation Management.
- Trainer for the Division of Primary Health Care- for Family planning updates and teaching skills methodology
- Trainer for the Essential Maternal Health Care Programme run by JHPIEGO in Uganda and Indonesia and conducted follow up of participants in Zambia, Malawi and Tanzania.
- Certified Master Trainer by JHPIEGO and have co-trained with several candidate clinical and advanced trainers in courses in Kenya, Malawi, Indonesia., Uganda, Afghanistan and Ethiopia.
- Trainer for Advanced life saving skills in Obstetrics

## Departmental appointments

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- As undergraduate 5<sup>th</sup> year MB.Ch B coordinator have stream-lined the rotations, the log books and have structured skills laboratory teaching – ie humanistic teaching for emergency skills in obstetrics and gynaecology
- During my tenure as Chairperson of the department, the most recent four (4) year MMed (Obs/Gynae) curriculum was approved by the Senate. In addition, Africa Coordinating Centre for the Abandonment of FGM/C (ACCAF) received its Senate approval as a Centre of the department.
- As part II post graduate students coordinator, I initiated the weekly CME's, monthly mortality and morbidity meetings, Journal Club, presentation of Proposal and results of M.Med Thesis. Formalized the structured elective year rotations with clear objectives of each rotation and maintenance of records of all activities.

Represent the Department and University of Nairobi at various committees of the Ministry of Health

- Technical Working group for Reproductive and Maternal Health Services Unit (RMHSU) of the Division of Family health.
  - o Member of task force for introduction of New Partograph
  - o Member of task force for guidelines on use of Misoprostol for various indications
- Technical working group for Family planning
- Technical working group for Maternal and perinatal Death Surveillance and Response (MPDSR)

## Papers Presentations in conferences /Seminars/symposia and other gatherings 2008 to date

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1. Kenya Obstetrical and Gynaecological Society (KOGS) 44<sup>th</sup> Annual Scientific Conference. Theme: Sustaining Quality Reproductive Health Services at the Dawn of Universal Health Coverage: Unique Challenges, Bold Solutions, Leisure Lodge, Diani, Mombasa, 19<sup>th</sup> – 21<sup>st</sup> February 2020
  - a. "Born Too Soon" - mixed methods study of essential newborn care in Kenya
  - b. Evaluating the new WHO labour care guide in clinical settings - findings from a mixed-methods study in 6 countries
2. The Aga Khan University and University of California San Francisco, 'Quality of Care in Maternal Health' Symposium, Nairobi, Kenya, 1<sup>st</sup> November 2019. Moderator and presentor
  - a. Postpartum Haemorrhage – Policy and guidelines examination on PPH prevention and treatment globally and locally and evidence accruing from recent international research and how to implement these to achieve Universal Health Coverage and to meet the SDG goals.
3. International Confederation of Midwives (ICM), Windhoek, Namibia, 11<sup>th</sup> – 14<sup>th</sup> September 2019.
  - a. Hear-stable Carbetocin versus Oxytocin to prevent haemorrhage after vaginal birth – Carbetocin Haemorrhage Prevention trial (CHAMPION).
4. Royal College of Obstetricians and Gynaecologist (RCOG) Congress, London, United Kingdom, 17<sup>th</sup> - 19<sup>th</sup> June 2019.
  - a. i-poster on 'Survey on Abortion-related Morbidity and Mortality in Health Facilities: The Burden, Severity and Management of Abortion-related Complications across 11 African countries'.
5. Kenya Association of Muslim Medical Professionals (KAMPP) 3<sup>rd</sup> Annual Scientific Conference. Theme: Current Medical Practice and Universal Health Care, PridelInn Resort, Mombasa, 9<sup>th</sup> – 10<sup>th</sup> March 2019.
  - a. Maternal Sepsis
6. Poster presented at 3<sup>rd</sup> Africa Health Agenda International Conference (AHAIC), Kigali, Rwanda, 5<sup>th</sup> – 7<sup>th</sup> March 2019.
  - a. CHAMPION Trial results
7. Kenya Obstetrical and Gynaecological Society (KOGS) 43<sup>rd</sup> Annual Scientific Conference. Theme: Basic, Translational and Implementation Sciences in Women's Health from bench, to bedside and policy, Movenpick Hotel, Nairobi, 20<sup>th</sup> – 22<sup>nd</sup> March 2019.
  - a. WHO recommendations on Uterotonics for prevention of PPH.
  - b. WHO multi-country survey on abortion (WHOMCS-A): abortion-related morbidity in the facilities.
  - c. The WHO global maternal sepsis study (GLOSS).

8. Ministry of Health Introduction of heat stable Carbetocin in Kenya, Movenpick Hotel, Nairobi, 20<sup>th</sup> February 2019. I was the leader organizer of this meeting for WHO and Merck for Mothers. In addition, I will continuously be involved in the implementation phase.
  - a. WHO recommendations on Uterotonics for prevention of PPH.
9. KNH-UON Symposium. Theme: “Averting Preventable Maternal Deaths”, College of Health Sciences, UON, 7<sup>th</sup> February 2019.
  - a. Updates on prevention of PPH
10. Medical Women’s International Association (MWIA) Regional Conference for Near East and Africa, Nairobi-Kenya, 11<sup>th</sup> – 15<sup>th</sup> November 2018. Presentation made:
  - a. The WHO Global Sepsis Study (GLOSS).
  - b. WHO Multi-Country Survey on Abortion (WHOMCS-A): Abortion-related Morbidity in the Facilities.
  - c. Heat-Stable Carbetocin versus oxytocin to prevent haemorrhage after vaginal birth.
11. UON/KNH International Conference on Health (ICH 2018), University of Nairobi Lecture Theatre III, 7<sup>th</sup> – 9<sup>th</sup> November 2018.
  - a. The WHO Global Maternal Sepsis Study (GLOSS) – updated results.
  - b. WHO Multi-Country Survey on Abortion (WHOMCS-A): Abortion-related Morbidity in the Facilities.
  - c. Heat-Stable Carbetocin versus oxytocin to prevent haemorrhage after vaginal birth.
12. XXII World Congress of Gynaecology and Obstetrics, Rio de Janeiro-Brazil, 14<sup>th</sup> – 19<sup>th</sup> October 2018.
  - a. Multicountry survey Abortion – Results from Africa.
  - b. CHAMPION the largest PPH prevention study.
13. African Sepsis Symposium, Diani-Ukunda, 4th October 2018.
  - a. Maternal and Neonatal Sepsis: An Audit of Facilities in Nairobi
14. 4<sup>th</sup> Annual Conference of the Kenya Diabetes Study Group (KDSG) on 20<sup>th</sup> July 2018, Nairobi-Kenya.
  - a. Gestational Diabetes in the Public Sector
15. Centre for Global Women’s Health, Division of Nursing Midwifery and Social Work - National Institute for Health Research (NIHR) Global Health Research Group on Stillbirth Prevention and Management in Sub-Saharan Africa, 26<sup>th</sup> -27<sup>th</sup> July, 2018, University of Manchester - England.
  - a. Learning from previous research and practice in Kenya

16. Inception meeting for Maternal Mortality Partnership Program with Leeds University Centre for African Studies and Jaramogi Oginga Odinga Teaching Hospital on 7<sup>th</sup> August 2018, Kisumu-Kenya.
  - a. Maternal Mortality in Kenya: Current situation and recent research in post-partum hemorrhage
17. 2<sup>nd</sup> International Conference on Maternal and Newborn Health Belgaum India, 26<sup>th</sup> – 27<sup>th</sup> March 2018. Theme: 'Translating research evidence to practice'
  - a. 'Heat Stable Carbetocin for Prevention of Postpartum Haemorrhage – CHAMPION Trial' on behalf of WHO CHAMPION Trial team.
18. Kenya Association of Muslim Medical Professionals (KAMMP) Annual Scientific Conference. Theme: Integrated Health care – Prevention to Rehabilitation, 10<sup>th</sup> – 11<sup>th</sup> March, 2018.
  - a. Severe Maternal Outcomes.
19. 42<sup>nd</sup> Annual Scientific Conference of Kenya Obstetrical and Gynaecological Society (KOGS) Theme: Meeting the challenges in reproductive health through impactful training: guiding the way into the 21<sup>st</sup> century. 21-23<sup>rd</sup> February 2018 held at Sawela Lodge Naivasha.
  - a. Current studies of uterotonics a summary of global research
  - b. Carbetocin RTS for preventing PPH: a randomized non-inferiority controlled trial
  - c. Antenatal corticosteroids for improving outcomes in preterm newborns in low resource settings: a randomized controlled trial-ACTION I and II
  - d. GLOSS, a multicountry multicenter Inception cohort study on maternal sepsis
  - e. A review of maternal mortality in the year 2014 at the Kenyatta National Hospital
20. Ministry of Health Division of Family Health, Reproductive and Maternal Health Services Unit, Stakeholder meeting on Postpartum Haemorrhage (PPH) presented Key note address Panafric Sarova Hotel 26<sup>th</sup> July 2017
21. 4<sup>th</sup> International Conference for College of Health Sciences, University of Nairobi and Kenyatta National Referral and Teaching Hospital 14-16<sup>th</sup> June 2017
  - a. Effect of early tranexamic acid administration on mortality, hysterectomy and other morbidities in women with post-partum haemorrhage (WOMAN): and international, randomised, double-blind, placebo-controlled trial.
22. 41<sup>st</sup> Annual Scientific Conference of Kenya Obstetrical and Gynaecological Society (KOGS) Theme: Optimizing reproduced health outcomes: Translating research into clinical practice and policy. 15-17<sup>th</sup> February 2017 held at Pride Inn Paradise Mombasa
  - a. New WHO recommendations on antenatal care for a positive pregnancy experience
  - b. Updating of a clinical protocol for prevention and management of postpartum haemorrhage at Kenyatta National Hospital.

23. Invited guest speaker at CME organized by KOGS/ MOH-RHMSU Sarova Hotel 26<sup>th</sup> January 2017. Update on Postpartum Haemorrhage –latest Innovations for treatment.
24. Kenya Diabetes Study Group 2<sup>nd</sup> Diabetes Symposium, Theme: Holistic Management of Diabetes, 18<sup>th</sup> June 2016 held at Intercontinental Hotel, Nairobi (Invited guest speaker presentation)
  - a. Impact of maternal health on preventing diabetes/ promoting positive outcomes.
25. International Conference of Maternal and New Born Research 5 – 8 March 2016 held at Belgaum, India.
  - a. Challenges of post-partum haemorrhage in Africa
26. 40<sup>th</sup> Ruby Anniversary Annual Scientific Conference of Kenya Obstetrical and Gynaecological Society (KOGS) Theme: Delivering Reproductive Health Services in a Devolved Health System: Challenges and Opportunities, 17-19 February 2016 held at Acacia Premier Hotel, Kisumu
  - a. Influenza in pregnant women and benefit of vaccination
  - b. Efficacy of antenatal corticosteroids for women in preterm labour to improve new-born outcomes in health facilities in low and middle-income countries. What is the evidence?
27. 3<sup>rd</sup> UoN/KNH Scientific Conference. Theme “Research as a Driver for Science, Technology and Innovation for Health” at Lecture Theatre III, College of Health Sciences, UoN, Kenyatta Campus, 10<sup>th</sup> – 12<sup>th</sup> June 2015.
  - a. Maternal and perinatal morbidity and mortality in Kenya: findings of the World Health Organization Multicountry Survey (WHOMCS) on Maternal and Newborn Health
28. KNH/UoN MNCH Symposium. Theme “Optimizing Best Practice in Maternal, Neonatal and Child Care” at Lecture Theatre III, College of Health Sciences, UoN, Kenyatta Campus, 13<sup>th</sup> March 2015.
  - a. ‘Severe maternal outcomes: the concept and monitoring’
29. African Federation of Obstetrics and Gynaecology 1<sup>st</sup> Regional Congress and 39<sup>th</sup> Kenya Obstetrics and Gynaecology Annual Scientific Conference, 17<sup>th</sup> – 20<sup>th</sup> February 2015, Safari Park Hotel, Nairobi
  - a. Maternal and perinatal morbidity and mortality in Kenya: findings of the World Health Organization Multicountry Survey (WHOMCS) on Maternal and Newborn Health
30. 38<sup>th</sup> Annual Scientific Conference of Kenya Obstetrical and Gynaecological Society (KOGS) Theme: Beyond Millennium Development Goals 2013, Lessons Learnt, Challenges and Way Forward, 19-21 February 2014 held at Green Hills Hotel, Nyeri
  - a. The use of antenatal corticosteroids and tocolytic therapies in preterm deliveries in 29 countries: a secondary analysis of the WHO Multi-Country Survey of Maternal and Newborn Health



- b. How safe is safe motherhood? Case report of maternal morbidity discussed in the context of quality of care
  - c. Influenza vaccination in pregnancy
31. 37<sup>th</sup> Annual Scientific Conference of Kenya Obstetrical and Gynaecological Society (KOGS) Theme:, 13-15 February 2013 held at Sirikwa Hotel, Eldoret
- a) WHO guidelines on “Optimizing health workers roles to improve access to key maternal & newborn health interventions through task shifting” (OPTIMIZE MNH)
  - b) Beyond essential interventions & coverage – the next challenge for improving maternal health care: findings of WHO multi-country survey on maternal and new born health
32. Symposium on Innovations for attainment of MDG’s 4 and 5; 9<sup>th</sup> January 2013
- a. Overview of Preterm Birth
  - b. Obstetric Haemorrhage
33. 36<sup>th</sup> Annual Scientific Conference of Kenya Obstetrical and Gynaecological Society (KOGS) Theme: Optimizing Reproductive and Sexual Health through Science, Technology & Innovations towards Kenya’s Vision 2030, 15-17 February 2012 held at Safari Park Hotel Nairobi
- a) Active Management of the Third Stage of Labour without Controlled Cord Traction: A Randomized Non-Inferiority Controlled Trial (WHO)
  - b) The WHO Multicountry survey on Maternal and newborn Health, the Near-Miss concept and the Maternal deaths in the Kenyan Data set.
  - c) Advocacy to Increase Access To Information And Use Of Misoprostol For Prevention Of Postpartum Haemorrhage At The Community Level In Emuhaya District, Western Kenya.
34. 9<sup>th</sup> East Central and South African Obstetrics and Gynaecology Societies of (ECSAOGS) Scientific Conference Maputo Mozambique 5-7 October 2011, held at VIP hotel Maputo
- a. Active Management of the Third Stage of Labour without Controlled Cord Traction: A Randomized Non-Inferiority Controlled Trial (WHO)
  - b. Introduction of Misoprostol for Prevention of Post Partum Hemorrhage at Community Level in Kitui and Maragua (VSI & KOGS)
  - c. Tranexamic acid for the treatment of postpartum haemorrhage: An international randomised, double blind, placebo controlled trial (The WOMAN Trial).
35. 6<sup>th</sup> Nairobi Hospital Annual RH Symposium “Controversies of Vaginal Birth after Caesarean Section” 19<sup>th</sup> April 2011, Nairobi Hospital, Nairobi-Kenya. (*Invited Lecture*)
36. 35<sup>th</sup> Annual Scientific Conference of Kenya Obstetrics and Gynaecology Society (KOGS), 16<sup>th</sup> – 18<sup>th</sup> February 2011, Nakuru-Kenya.
- a) Tranexamic acid for the treatment of postpartum haemorrhage An international, randomised, double blind, placebo controlled trial (The WOMAN Trial)

- b) Community Based Prevention of Post Partum Haemorrhage with Misoprostol in Kenya-pilot project in Kitui and Maragua districts
37. Safe Motherhood – Maternal Health Symposium organized by Kenya Medical Women’s Association. Theme: *Maternal Health Yesterday, today, tomorrow*, 16<sup>th</sup> October, 2010, Crowne Plaza Hotel Nairobi-Kenya. (*Invited Speaker*)
  38. Annual Nurses conference, Community Based prevention of Post-Partum Haemorrhage with Misoprostol in Kenya, St Andrews Church Hall Nairobi 6<sup>th</sup> October 2010, Nairobi-Kenya.
  39. Urinary Fistulae and Continence, 2<sup>nd</sup> Annual Scientific Conference of Kenya Endoscopic Surgeons Society, 18<sup>th</sup> – 19<sup>th</sup> August 2010, Nairobi Hospital-Kenya. (*Invited Speaker*)
  40. Active Management of Third Stage of Labour, Guest Lecture, 15<sup>th</sup> Annual Scientific Midwives Conference, 28<sup>th</sup> -30<sup>th</sup> July 2010, Tom Mboya College, Kisumu-Kenya.
  41. Premature ovarian Failure – Nairobi Hospital, 5<sup>th</sup> Annual Reproductive Health Symposium, 20<sup>th</sup> April 2010, Nairobi Hospital-Kenya. (*Invited Speaker*)
  42. Kenya Obstetrical and Gynaecological Society 34<sup>th</sup> Annual Scientific Conference 18<sup>th</sup> – 20<sup>th</sup> February 2010, Nairobi-Kenya.
    - a. “Quality of antenatal and Intrapartum care received by obstetric fistula patients during the causative pregnancy in Kenya”
    - b. “Serum Homocysteine levels in pre-eclamptic patients and non-eclamptic mothers”
    - c. “Introduction of Misoprostol for Prevention of postpartum Haemorrhage at community level” (Guest Lecture)
  43. 2<sup>nd</sup> Annual conference of Obstetric Fistula Surgeons Nairobi, Quality of antenatal and Intrapartum care received by obstetric fistula patients during the causative pregnancy in Kenya, 25<sup>th</sup>-27<sup>th</sup> October 2009, Nairobi-Kenya.
  44. Vesico-vaginal Fistulae – Nairobi Hospital, 4<sup>th</sup> Annual Reproductive Health Symposium, 21<sup>st</sup> April 2009, Nairobi Hospital-Kenya.
  45. Millennium Development Goals – Where are we? – Nairobi Hospital, 3<sup>rd</sup> Annual Reproductive Health Symposium, 21<sup>st</sup> April 2008, Nairobi Hospital-Kenya.
  46. 8<sup>TH</sup> ESCAOGS Conference, WHO guidelines for treatment of PPH-uterine atony and retained placenta, 18<sup>th</sup> – 20<sup>th</sup> February 2009, Mombasa-Kenya.
  47. 8<sup>th</sup> ESCAOGS Pre-congress symposium, Misoprostol for treatment of PPH haemorrhage, 18<sup>th</sup> -20<sup>th</sup> February 2009, Mombasa-Kenya. (*Invited Lecture*)
  48. Introduction of Focused Antenatal Care at Kenyatta National Hospital, 1<sup>st</sup> Scientific conference, 18-19<sup>th</sup> September 2008, Kenyatta National Hospital-Kenya

49. 12<sup>th</sup> Midwives Scientific Conference, 30<sup>th</sup> July -1<sup>st</sup> August 2008, Panafric Hotel Nairobi-Kenya.
- a. Prevention and Early Management of Obstetric Fistulae
  - b. Prevention of Post Partum Haemorrhage by use of Active Management of Third Stage of labour
50. Training Health Providers in Cervical Cancer Screening-VIA/Cryotherapy, 32<sup>nd</sup> Annual Scientific Conference of Kenya Obstetrics and Gynaecology Society, 20<sup>th</sup> – 22<sup>nd</sup> February 2008, Nairobi-Kenya.

### **Participation in organization of Scientific Meetings**

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1. A member of the organizing committee of the Global Maternal Newborn Health Conference held on 19<sup>th</sup>-21<sup>st</sup> October 2015 in Mexico City, Mexico.
2. From 2006 to 2012 I have been a member of the scientific committee of the Nairobi Hospital Annual RH symposium, held annually in April.
3. Chairperson on the Scientific organizing committee for the 2<sup>nd</sup> Scientific conference of the International Society of Fistula surgeons held in Nairobi, November, 2009.
4. From 1995 to 2013 I have been involved in the organization of the Annual scientific conference of the Kenya Obstetrics and Gynaecology Society (KOGS) held in February each year. Mostly as a member of the scientific steering committee and on few occasions in other committees

## **Additional Reproductive Health Activities**

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1. I partnered with African Population and Health Research Centre (APHRC) on behalf of University of Nairobi to facilitate the 'Systematic review and meta-analysis of health researchers' at the APHRC campus, 11<sup>th</sup> – 15<sup>th</sup> March 2019
2. I was the lead organiser of the HRP Alliance/ University of Nairobi Research Methods Course, 19<sup>th</sup> – 23<sup>rd</sup> March, 2018 at Silver Springs Hotel, Nairobi. It is a collaboration between WHO Department of Reproductive Health Research (RHR), UNDP-UNFPA-UNICEF-WHO-WORLD BANK Special Programme of Research, Development and Research Training in Human Reproduction (HRP) and University of Nairobi.
3. Conducted quality technical assessment of maternity units in 2008, 2010 and 2011 run by Marie Stopes in Nairobi, Mombasa and Kisumu Kenya and Addis Ababa, Ethiopia.
4. Conducted maternal mortality assessment in February 2011 at Hagadera refugee camp in Dadaab for International Rescue Committee.

## **Reproductive Health Workshops/ Meetings attended**

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- Mar 2020** WHO ACTION-I Trial Data Interpretation and Manuscript Writing Workshop, Geneva, Switzerland, 16<sup>th</sup> – 20<sup>th</sup> March 2020. (Meeting was planned to be face to face but changed to virtual due to COVID-19.)
- Jan 2020** STEP-Mag Simplified Treatment for Eclampsia Prevention using Magnesium Sulphate Collaborators meeting, WHO Collaborating Centre, College of Medical and Dental Sciences, Institute of Metabolism and Systems Research University of Birmingham UK, 22<sup>nd</sup> – 23<sup>rd</sup> January 2020
- Nov 2019** USAID, Postpartum Haemorrhage (PPH) Voices from the Field: Engaging Country Stakeholders to Advance Postpartum Haemorrhage Care, Dakar, Sengal, 19<sup>th</sup> – 20<sup>th</sup> November 2019
- Oct 2019** The Umbiflow International Study Steering Committee and Collaborators meeting, Pretoria, South Africa, 15<sup>th</sup> – 16<sup>th</sup> October 2019
- Aug 2019** Scientific writing and analysis workshop: WHO Multi-country study on abortion-related morbidity (MCS-A) Africa Phase, Geneva, Switzerland, 7<sup>th</sup> – 9<sup>th</sup> August 2019
- July 2019** WHO ACTION Trial Consultative Meeting, Nairobi, Kenya, 9<sup>th</sup> July 2019
- July 2019** Born Too Soon Study stakeholders meeting, Nairobi, Kenya, 2<sup>nd</sup> – 3<sup>rd</sup> July 2019

- June 2019** Advisory Board meeting for the National Institute for Health Research (NIHR) Global Health Research Group on Stillbirth Prevention and Management in Sub-Saharan Africa, Manchester, United Kingdom, 24<sup>th</sup> – 25<sup>th</sup> June 2019.
- June 2019** Royal College of Obstetricians and Gynaecologist (RCOG) Congress, London, United Kingdom, 17<sup>th</sup> - 19<sup>th</sup> June 2019.
- May 2019** World Health Organization (WHO) ACTION Trials Steering Group Meeting, Geneva, Switzerland, 28<sup>th</sup> – 30<sup>th</sup> May 2019
- May 2019** The Ministry of Health's International Day to End Obstetric Fistula, Nairobi, Kenya, 23<sup>rd</sup> May 2019.
- May 2019** The Ministry of Health's (MOH) Maternal, Newborn, and Child Health (MNCH) Commodities Security Task Force Workshop to develop the Roadmap for Introduction of Heat Stable Carbetocin in Kenyan Public Sector, Nairobi, Kenya, 21<sup>st</sup> May 2019
- Apr 2019** Proposal development for E-MOTIVE for submission to the Medical Research Council (MRC-UK) in Birmingham, United Kingdom, 3<sup>rd</sup> – 4<sup>th</sup> April, 2019.
- Mar 2019** Ministry of Health Post Abortion Care Pocket Guide for Health Care Providers dissemination planning meeting, Sarova – Panafric, Nairobi, 7<sup>th</sup> March 2019.
- Mar 2019** Kenya Association of Muslim Medical Professional (KAMMP) 3<sup>rd</sup> Annual Scientific Conference. Theme: Current Medical Practice and Universal Healthcare, Pridelnn Beach Resort, Mombasa, 9<sup>th</sup> – 10<sup>th</sup> March 2019
- Mar 2019** African Population and Health Research Centre (APHRC) Systematic review and meta-analysis of health researchers, APHRC campus, 11<sup>th</sup> – 15<sup>th</sup> March 2019.
- Feb 2019** KNH-UON Symposium. Theme: “Averting Preventable Maternal Deaths”, College of Health Sciences, UON, 7<sup>th</sup> February 2019
- Jan 2019** WHO ‘Uterine Tamponade devices for Refractory PPH’ technical consultation, Geneva, Switzerland, 23<sup>rd</sup> - 24<sup>th</sup> January 2019.
- Oct 2018** WHO Global Maternal Sepsis Survey (GLOSS) Principal Investigators meeting, 12<sup>th</sup> – 13<sup>th</sup> October 2018, Rio de Janeiro-Brazil.
- Sept 2018** WHO Multi-country Survey on Abortion-related morbidity in facilities (WHOMCS-A) Principal Investigators' meeting , 25<sup>th</sup> – 27<sup>th</sup> September 2018, Four Points by Sheraton Nairobi Hurlingham, Nairobi-Kenya.

- Aug 2018** African Population and Health Research Centre Stakeholder Engagement Workshop, 28<sup>th</sup> September 2018, APHRC Campus, Nairobi
- April 2018** WHO Evidence-based Review of the WHO Partograph and Implementation Research, 18<sup>th</sup> – 19<sup>th</sup> April, 2018, Geneva Switzerland.
- Mar 2018** WHO Champion Steering committee and Principal Investigator's meeting for CHAMPION Trial, 28<sup>th</sup> – 29<sup>th</sup> March 2018, Belgaum India.
- Oct 2017** GLOSS Country Principal Investigators meeting 10<sup>th</sup> – 11<sup>th</sup> October, Istanbul Turkey.
- July 2017** Odon Device Study: Independent Scientific advisory committee meeting Geneva-17 to 18<sup>th</sup> July 2017 WHO headquarters Geneva Switzerland
- July 2017** WHO Global Sepsis Study (GLOSS) and Campaign meeting, 19- 20<sup>th</sup> July 2017, WHO headquarters Geneva Switzerland
- Mar 2017** WHO Champion Steering committee and Principal Investigator's meeting for CHAMPION Trial Cape Town South Africa
- Feb 2017** Ministry of Health Kenya –Reproductive and Maternal Health Services Unit (RHMSU) RH stakeholder meeting. Voyager Hotel Mombasa 13-15<sup>th</sup> February 2017
- Nov 2016:** WHO MCS-A Regional training meeting for Phase I Anglophone countries 1-3 November. Best Western Premier Hotel Accra Ghana
- Sept 2016:** WOMAN TRIAL Writing committee meeting 21-22<sup>nd</sup> September. Euston Hilton Hotel London UK
- July 2016:** WHO study A65711: Feasibility and Safety of the Odon Device for Assisted Vaginal Delivery Training of Operators, 4<sup>th</sup> – 5<sup>th</sup> July 2016, Geneva Maternity Hospital, Geneva, Switzerland
- July 2016:** WHO Odon Device Steering Committee Meeting, 6<sup>th</sup> – 7<sup>th</sup> July 2016, WHO headquarters, Geneva, Switzerland
- April 2016:** WHO Maternal Sepsis Meeting, 20<sup>th</sup> – 21<sup>st</sup> April 2016 Istanbul, Turkey
- Mar 2016:** WHO MCS-A Principal investigators Meeting for Phase I (African Region), 15<sup>th</sup> – 16<sup>th</sup> March 2016 Geneva, Switzerland
- Mar 2016:** WHO Champion Trial Investigators Meeting, 7<sup>th</sup> – 8<sup>th</sup> March 2016 Belgaum, India
- May 2015:** WHO Odon Device Trial: Independent Scientific Advisory Committee Meeting, 7<sup>th</sup> – 8<sup>th</sup> May, Geneva, Switzerland.
- March 2015:** WHO Multi-country Survey on Abortion (WHOMCS-A) and Morbidity Steering Committee Meeting, 10<sup>th</sup> - 11<sup>th</sup> March, Geneva, Switzerland.

- March 2015:** Scientific Advisory Board Meeting for Missed Opportunities in Mother and Infant project (MOMI), 10<sup>th</sup> March, Porto, Portugal.
- Jan 2015:** WHO Maternal Near-Miss Approach and Quality of Care: Research and Implementation, 22<sup>nd</sup> – 23<sup>rd</sup> January, Istanbul, Turkey.
- May 2014:** WHO Preterm Guidelines Meeting, 12<sup>th</sup> - 15<sup>th</sup>, Ferney-Voltaire, France.
- April 2014:** Improving quality of antenatal intrapartum and postpartum care: evidence, knowledge gaps and priorities for action, 28<sup>th</sup> – 30<sup>th</sup> April, WHO HQ, Geneva, Switzerland
- Oct 2013:** Effectiveness of a simplified regimen of Magnesium Sulfate in the management of Pre-eclampsia and eclampsia, 30<sup>th</sup> – 31<sup>st</sup> October, WHO HQ Geneva, Switzerland
- Sept 2013:** Heat Stable Carbetocin, 25<sup>th</sup> September, WHO HQ Geneva, Switzerland
- Sept 2013:** Augmentation in Labour Guidelines, 26<sup>th</sup> – 27<sup>th</sup> September, WHO HQ Geneva, Switzerland
- April 2013:** Preterm Birth Guidelines Scoping, 24<sup>th</sup> April, WHO Geneva, Switzerland
- April 2013:** Research Prioritization Meeting, 25<sup>th</sup> – 26<sup>th</sup> April, WHO Geneva, Switzerland
- March 2013:** Technical meeting on secondary analyses of WHO Multicountry Survey on Maternal and Perinatal Health, 19<sup>th</sup> – 22<sup>nd</sup> March, Geneva, Switzerland
- March 2013:** Heat Stable Carbetocin in Preventing Postpartum Haemorrhage, 19<sup>th</sup> – 22<sup>nd</sup> March, WHO Geneva, Switzerland
- Dec 2012:** WHO Better Outcome in Labour Difficult (BOLD) project update 12<sup>th</sup> – 13<sup>th</sup> December 2012, Geneva, Switzerland
- June 2012:** Workshop for Finalization of Emergency obstetric and Neonatal care training package 10<sup>th</sup> to 14<sup>th</sup> June, Panafric hotel Nairobi DRH/JHPIEGO
- May 2012:** WHO technical consultation on Maternal and Perinatal Health; 08-10 May 2012, Hua Hin, Thailand
- April 2012:** WHO Technical Consultation on Optimizing the delivery of key maternal and newborn interventions through task-shifting/sharing (optimize 4MNH) WHO- Geneva, Switzerland.
- Mar 2012:** WHO Technical Consultation on Prevention and Management of Post-Partum Haemorrhage 16-19<sup>th</sup> April WHO Geneva Switzerland
- Jan 2012:** Development of EMOC skills training workshop materials, 10-12<sup>th</sup> January Jacaranda, Hotel Nairobi DRH/JHPIEGO

- Nov 2011:** “Research Priorities for Clinical Diagnosis and Triggers for Therapeutic Interventions in Postpartum Haemorrhage” meeting sponsored by Gynuity Health Projects and WHO, 14-15<sup>TH</sup> November, New York USA
- May 2011:** 4<sup>th</sup> Steering Meeting WHO Trial A 65554 Active Management of Third Stage of Labour (AMTSL)-Research Interim Analysis Geneva, Switzerland.
- April 2011:** WHO Technical Consultation on Prevention and Management of Pre-Eclampsia/ Eclampsia and Vit D supplementation for women during pregnancy WHO- Geneva, Switzerland.
- March 2010:** 3<sup>rd</sup> Steering Meeting Active Management of Third Stage of Labour (AMTSL)-Research Interim Analysis, Geneva, Switzerland

### **Courses/Trainings attended**

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- February 2020:** Advanced Life Support in Obstetrics (ALSO), Institute of Family Medicine (INFA-MED), 7<sup>th</sup> – 8<sup>th</sup> February 2020, Nairobi, Kenya.
- August 2018:** WHO ACTION study staff training on study procedures, 6<sup>th</sup> – 9<sup>th</sup> August 2018, Nairobi, Kenya.
- March 2017:** WHO ODon Device Study: Training of Trainers for Odon Device Use – training provided by Prompt UK 15<sup>th</sup> March 2017, Pretoria South Africa
- July 2016:** Odon Device for Assisted Vaginal Delivery Training of Operators, 4<sup>th</sup> – 5<sup>th</sup> July, Geneva conducted by Practical Obstetric Multi-Professional Training (PROMPT) based in UK.
- November 2015:** Advanced Life Support in Obstetrics (ALSO) 30<sup>th</sup> Nov – 1<sup>st</sup> Dec, Aga Khan University Hospital, Nairobi
- October 2015** Diploma in Kiwi™ Vacuum-Assisted Delivery Device course provided by Clinical Innovation’s Medical Team , 4<sup>th</sup> October, Vancouver, Canada
- August 2014:** Advanced Gynecological Laparoscopy Training Workshop, 28<sup>th</sup> – 30<sup>th</sup> August, Kenyatta National Hospital, Nairobi
- July 2013:** University of Nairobi and KAVI- Institute of Clinical Research Bioethics Training, 3<sup>rd</sup> - 5<sup>th</sup> July, Silver Springs Hotel, Nairobi
- May 2013:** Basic Life Support (BLS), 22<sup>nd</sup> May, Aga Khan University Hospital, Nairobi
- November 2012:** The International Centre for Minimal Access Surgery “Hysteroscopy”, 26<sup>th</sup>-28<sup>th</sup> November 2012, held at the International Centre for Minimal Access Surgery, Nairobi.
- July 2011:** UON Teacher Training Workshop –Prime K Project 26-29 July 2011 held at UON –School of Medicine.
- August 2010:** Good Clinical Practice – online course offered by London School of



- Hygiene and Tropical Medicine as a pre-requisite for the “Woman Trial”
- Feb/Mar 2010:** Colposcopy /Leep Trainer of Trainers 23<sup>rd</sup> to 26<sup>th</sup> February didactic – 1<sup>st</sup> to 5<sup>th</sup> March Practical conducted by American Society of Colposcopy and Cervical Pathology (ASCCP)-Kenyatta National Hospital Nairobi, Kenya.
- December 2009:** Fetal Monitoring Training System –on line course taken through Aga Khan University
- June 2009:** ‘Library electronic resources’ conducted by the University of Nairobi Library 16-17<sup>th</sup> June
- October 2008:** Candidate Clinical Trainer for Advanced Life Support in Obstetrics –course conducted by American Academy of Family Physicians at St Mary’s Hospital, Nairobi
- October 2007:** Comprehensive Abortion Care TOT for Senior Medical Tutors – IPAS Kampala, Uganda.
- October 2007:** Advanced Life Support in Obstetrics–course conducted by American Academy of Family Physicians at St Mary’s Hospital, Nairobi.
- Aug 2007:** 6<sup>th</sup> Annual Research Methods Course: conducted by Effective Care Research Unit –East London, South Africa.
- November 2005:** Evidenced Based Decision Making Workshop–organized and sponsored by WHO and held at the Effective Care Research Unit East London, South Africa.
- October 2005:** Basics of Bio-Statistics –organized by and held at Aga Khan Hospital -15<sup>th</sup> October
- October 2005:** Comprehensive Care of HIV infected patient with special Emphasis on Antiretroviral Therapy by NASCOP in collaboration with Kenyatta National Hospital –held at KNH
- June 2005:** Trans Vaginal Tension Free Operation – for stress urinary incontinence Workshop organized by and held at The Nairobi Hospital.
- April 2005:** Course on Implementation for the WHO New Model for Antenatal Care through e-learning course – organized and sponsored by WHO and held at Boston University, Boston, USA.

### **Reproductive Health Conferences and Symposia attended from 2005 to date**

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- 1) **Royal College of Obstetricians and Gynaecologist (RCOG) Congress**, London, United Kingdom, 17<sup>th</sup> - 19<sup>th</sup> June 2019
- 2) **Royal College of Obstetricians & Gynaecologists (RCOG) World Congress 2017**-Cape Town 20-22<sup>nd</sup> March 2017
- 3) **Africa Health Agenda International Conference (AMREF)**-Radisson Blu Hotel Nairobi-7-th March 2017
- 4) Global Maternal Newborn Health Conference, **19<sup>th</sup>-21<sup>st</sup> October 2015**, Mexico City, Mexico.
- 5) XXI FIGO World Congress of Gynaecology and Obstetrics, **3<sup>rd</sup> – 10<sup>th</sup> October, 2015**, Vancouver, Canada.
- 6) AMREF health Africa International Health Conference, **24<sup>th</sup> – 26<sup>th</sup> November 2014** at Nairobi, Kenya

- 7) Making it Happen Conference **9<sup>th</sup> – 13<sup>th</sup> June 2014**, Liverpool, England
- 8) 1<sup>st</sup> Medico-Legal Symposium “Development of Medical Law and Ethics and the Transformation of Medical Practice Globally” at The Nairobi Hospital, **25<sup>th</sup> May 2013**
- 9) 8<sup>th</sup> Nairobi Hospital Annual Reproductive Health Symposium “Advances in Gynaecological Oncology” at The Nairobi Hospital, **16<sup>th</sup> April 2013**
- 10) SYMPOSIUM ON Innovations for attainment of MDGs 4 and 5 (maternal and neonatal child health) KNH/UON held at University of Nairobi, **9<sup>th</sup> January 2013**
- 11) 5<sup>th</sup> Scientific Conference Kenyatta National Hospital, **18-19<sup>th</sup> October 2012**, Kenyatta National Hospital-Kenya.
- 12) XX FIGO World Congress of Gynaecology and Obstetrics, **7<sup>th</sup> – 12<sup>th</sup> October 2012**, Rome.
- 13) PACE Programme HIV Symposium “the role of training and research in health service delivery: lessons learnt from the HIV epidemic” held at college of health sciences, university of Nairobi **14<sup>th</sup> -15<sup>th</sup> June 2012**
- 14) 3<sup>rd</sup> Annual conference of International Society of Fistula Surgeons, **7<sup>th</sup> – 9<sup>th</sup> December 2010**, Dakar-Senegal.
- 15) 2<sup>nd</sup> Scientific Conference of Kenya Endoscopy Society of Surgeons, **18<sup>th</sup>-19<sup>th</sup> August 2010**, Nairobi Hospital-Kenya.
- 16) XIX FIGO World Congress of Gynaecology and Obstetrics, **4<sup>th</sup> – 9<sup>th</sup> October 2009**, Cape Town-South Africa.
- 17) Best Practices in Sexual and Reproductive Health – RHL@10 conference, **27<sup>th</sup> – 29<sup>th</sup> April 2007**, Khon Kaen-Thailand.
- 18) XVIII FIGO world Congress of Gynaecology & Obstetrics, **5<sup>th</sup>-9<sup>th</sup> November 2006**, Kuala Lumpur-Malaysia.
- 19) 1<sup>st</sup> Annual Nairobi Hospital –Obs/Gyn symposium, **18<sup>th</sup> April 2006**, Nairobi-Kenya.
- 20) Scientific Symposium on “*Research in the Developing World: Myth or Reality*”, **14<sup>th</sup> October 2005**, The Aga Khan Hospital, Nairobi-Kenya.
- 21) 29<sup>th</sup> Annual Scientific Conference of Kenya Obstetrics and Gynaecology Society, **16<sup>th</sup>-18<sup>th</sup> February 2005**, Merica Hotel, Nakuru-Kenya.

## Review/Development of Publications/Guidelines

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### A) Development of Publications / review of Guidelines for International organizations

1. WHO recommendation on updating Prioritized Maternal and Perinatal Health Recommendations, July 2019
2. WHO recommendation on calcium supplementation during pregnancy for prevention of pre-eclampsia and its complications, December 2018.
3. WHO recommendations on policy of interventionist versus expectant management of severe pre-eclampsia before term, December 2018.
4. WHO recommendation on drug treatment for severe hypertension in pregnancy, December 2018.
5. WHO recommendations on induction of labour at or beyond term, December 2018.
6. WHO recommendation on calcium supplementation before pregnancy for the prevention of pre-eclampsia and its complications April 2020  
ISBN 978-92-4-000311-8

For the above, I was the Chair for the Guidelines Development Group.

7. WHO recommendation on tranexamic acid for the treatment of postpartum haemorrhage, November 2017.
8. Pregnancy management in the context of Zika virus infection (interim guidance update), WHO May 2016.
9. External peer reviewer for WHO Health workers roles in providing safe abortion care and post-abortion contraception, 2015
10. WHO recommendations on interventions to improve preterm birth outcomes Nov 2015
11. WHO recommendations for augmentation of labour May 2014
12. Optimizing health worker roles for maternal and newborn health. WHO Dec 2012
13. WHO recommendations for the prevention and treatment of postpartum haemorrhage Sept 2012
14. WHO recommendations for the prevention and treatment of pre-eclampsia and eclampsia Nov 2011
15. Family planning Reference Manual/trainers/participants manuals for service providers in emergency situations-RAISE( consortium of Marie Stopes international and Columbia University) 2008
16. WHO guidelines for management of postpartum haemorrhage and retained placenta. 2007
17. Prevention of Post Partum Haemorrhage Initiative (POPPHI) –training materials for Prevention of Post Partum Haemorrhage by Active Management of Third Stage of Labour (AMTSL) 2007
18. Prevention of Post Partum Haemorrhage Clinical care Guidelines – Training materials(trainers and participants manual) 2007 POPPHI
19. WHO Manual on Improving Teaching Skills.-2002
20. Reproductive Health Service Delivery Guidelines-Ministry of Health and Child welfare, Zimbabwe 2002
21. Malawi National Reproductive Health Services Delivery Guidelines, October 2001
22. Essential Maternal and Neonatal Care-Clinical Guidelines for Uganda – July 2001
23. Managing Complications in Pregnancy and Childbirth: A guide for midwives and doctors WHO/RHR/00.7

#### **B) Development of Publications / review of Guidelines for Ministry of Health Kenya**

1. National Guidelines for Maternal and Perinatal Death, Surveillance and Response 2016
2. Maternal and Newborn Health Performance Standards MOH 2015
3. National Guidelines for quality obstetrics and Perinatal care. Ministry of Public health and sanitation and Ministry of Medical Services, May 2012
4. National guidelines for prevention and management of cervical, breast and prostate cancers. Ministry of Public health and sanitation and Ministry of Medical Services, January 2012
5. Emergency Obstetric and Neonatal care manual. A harmonized training curriculum for Kenya 2012

6. National Guidelines for Maternal and Perinatal Death and Notification and Review. MOH August 2009
7. Prevention of Postpartum Haemorrhage Practice Guidelines MOH 2008
8. Kenya National Reproductive Health Instructional Manual for Service Providers MOH 2006
9. Kenya National Obstetric Fistulae Training Curriculum for Health Care Workers MOH Oct 2006
10. Essential Obstetrics Care Manual: for health service providers in Kenya 3<sup>rd</sup> Edition January 2006
11. National Guidelines for Quality Obstetrics and Perinatal care- MOH Division of Reproductive Health:2<sup>nd</sup> Edition 2004
12. National Guidelines for Quality Obstetrics and Perinatal care- MOH Division of Reproductive Health:1<sup>st</sup> Edition 2002

### **Social Responsibility Activities Pertaining to Reproductive Health**

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1. **2002 to date: Obstetric Fistula activities** I have been working with AMREF and other organizations in fund raising activities for the Surgical Obstetric Fistula camps conducted at KNH. Participate in the organization and conduct of the KNH annual fistula camp.
2. **2005 to date** provide free Gynaecology specialist consultation for patients referred from a community clinic in Kawangware, Nairobi run by the Giants Group.
3. **2007 to date** participate in the Annual medial camp and various other activities of Muslim students association of University of Nairobi (MSAUN) School of Medicine Campus.
4. **2008 to date** participate in community talks on cervical and breast cancer screening at Kibera, Pumwani and Jamia Mosque-all in Nairobi and participate in community cervical cancer screening camps in Nairobi.

### **Positions Held**

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<b>1992 -1993:</b>	Medical Superintendent, Machakos General Hospital,
<b>1995-1997:</b>	Assistant Secretary – Kenya Obstetrics and Gynaecology Society
<b>1997- 1999:</b>	Hon. Secretary – Kenya Obstetrics and Gynaecology Society
<b>2001-2003:</b>	Assistant Secretary –Kenya Obstetrics and Gynaecology Society
<b>2005 –2009:</b>	Assistant Chairperson- Kenya Obstetrics and Gynaecology Society
<b>2005 -2009:</b>	Treasurer –Kenya Association of Muslim Medical Professionals

## External Examiner Appointment

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**Nov 2011 - Nov 2014:** Aga Khan University, Nairobi M.Med (Obs/Gyn) examinations

**Sept 2019 to date:** University of Malawi, Blantyre M.Med (Obs/Gyn) examinations. This is a three year appointment effective September 2019.

## Membership of Editorial committees of Journals and other scientific publication

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- 2005 to date:* Kenya Focal point person for The WHO Reproductive Health Library (RHL) an evidence based electronic review journal published by the Department of Reproductive Health and Research at WHO Headquarters in Geneva, Switzerland.
- Feb 2009 – Feb 2015:* Journal Editor - Kenya Obstetrics and Gynaecology Society
- 2010 Sept to date:* Member of the Editorial Board of East African Medical Journal
- 2012 May to date:* Vice-Chairperson of the Bioethics and Research Committee at The Nairobi Hospital

## Awards

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2013: KOGS AWARD in recognition to Maternal Health

2015: FIGO AWARD in recognition of Women Obstetrician/Gynaecology

## Continuous Medical Education

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Have attended continuous medical education lectures /presentations on reproductive health topics held by:

1. The Nairobi Hospital
2. Aga Khan University Hospital
3. Kenya Obstetrics and Gynaecology Society
4. Kenya Medical Association
5. Kenya Medical Women's Association
6. Kenya Association of Muslim Medical Professionals

## **Membership of Boards**

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2018 to date: IDeliver Supporting Quality Intrapartum Care, a consortium between Merck for Mothers, VecnaCares, John Hopkins University and M4ID.

2018 to date: National Institute for Health Research (NIHR) Global Health Research Group on Stillbirth Prevention and Management in Sub-Saharan Africa, the University of Manchester.

2014 to date: AMREF Health Africa in Kenya.

2014 to date: Helping Hands for Relief and Development

2014 to 2016: Missed Opportunities on Maternal and Infant Health Project

## **Membership of Leading Professional Societies**

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- 1) Kenya Medical Association.
- 2) Kenya Medical Women's Association.
- 3) Kenya Obstetrics and Gynaecological Society.
- 4) Associate Member of the Royal College of Obstetricians and Gynaecologists.

## **Manuscript Reviews**

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1. BMC Pregnancy and Childbirth
2. Biomed Central reproductive health
3. Journal of Obstetrics and Gynaecology of East and Central Africa
4. East Africa Medical Journal
5. International Journal of Gynaecology and Obstetrics
6. PLOS One Journal
7. Review of applications for Every Woman Every Child Innovation challenges applications