

Dr. Sum Tecla Jerotich

Home Address: Box 135 LESSOS, KENYA 30100

E-mail: summytec@yahoo.com, **Mobile:** +254 723308025.

Objective – To equip graduates with knowledge and skills to prepare them respond on real-time to emergency situations regarding medical issues, traumatic injuries, pandemics and accident scenes for purposes of *Preserving life, Promoting Recovery and Preventing complications and Disabilities.*

Professional Attributes

I am an expert in planning and executing priority research and implementing evidence-based practices that preserve, promote and prevent the lives of the critically ill patients as evidenced by the passion and the establishment of Paramedic program plus the establishments of research partnerships with national and several international organizations including Toyama, Linkoping, and Rutgers Universities to support Emergency Medical Services. I hold strong leadership and mentoring capabilities in research and have supervised a number of undergraduate and post graduate students. A role model in health care provision both in the community and hospital environments through education, advocacy, change management and policy development. Proven ability to work under pressure, motivate and work effectively with persons from other cultures and all walks of life. I am comfortable working within a foreign/new environment and fluent in both spoken and written English, French and Kiswahili.

Educational Background

2019 to 2020: Post-Doctoral studies in Emergency Medicine & Trauma Systems Management at **Robert Wood and Johnson's University Hospital (Rutgers University)**.

Title of the project:- *“Initiatives to Strengthen Emergency and Trauma Service Systems in Resource Constrained Settings to inform Development of Comprehensive Prehospital Care Systems: Kenyan Scenario”*

2015 to 2018- Moi University, School of Medicine in Consortium With Lingopin University, Center for Teaching and Research in Disaster Medicine and Traumatology,

Graduated for my PhD programme in Medical education on August 2018. Major area of study was **Emergency Training** and the project was *“Evaluating the Outcomes of Emergency Obstetrics and Neonatal Care (EmONC) Training Program in Low Resource Settings, West Pokot, Kenya.”* The knowledge earned from my PhD training was exciting and very informative because it not only gave me enough competencies in curriculum planning, development and program evaluation but also excellent knowledge, skills and competencies in Research and Health Science Education.

2016: Rutgers & Robert Wood Johnson University Hospital

Underwent training on Inter-professional Models in Global Injury Care and Research & Education Programs. The key objectives of the training included:

1. Demonstrate understanding of trauma Programming and develop own program for individual country/state.

2. Understand the role of the nurse in trauma programs:- (Maternal and neonatal emergency programs)
3. Utilize performance improvement tools to promote a culture of improvement in trauma systems.

2015: Toyama University, Japan

Attended a training as my second phase of Emergo Train system on Emergency Response having successfully completed the first phase at Linkoping University Sweden in 2014.

2014-2015 Linkoping University, Sweden; Center for Teaching and Research in Disaster Medicine and Traumatology,

Pursued a Senior training programme in Emergo Train System (ETS) with core areas in Trauma and Emergencies with simulation exercises on Disaster Medicine.

2008 to 2011 – Moi University, School of Medicine

Master of Science in Maternal and Neonatal Emergencies (MSc.MHN)

2000-2004: University of Eastern Africa Baraton.

Pursued a degree program and attained a Bachelor of Science Degree in Nursing.

Professional Work Experience

2019: Chairperson of Department, Paramedic Science, MMUST. Attended a School of Governance training in May, 2019 to enrich my management experience.

2015-Present- Lecturer at Masinde Muliro University of Science and Technology.

Some of the courses I teach at the university include;

1. Research Methods and research supervision (Both at Doctoral, Masters and undergraduate levels).
2. Master of science courses in Trauma and Emergency Nursing

3. Trauma and emergency Nursing (undergraduate).
4. Paramedic courses (Trauma and Emergency courses).
5. Teaching Methodology and Curriculum Development.
6. Mass Casualty Incidents Trainer
7. Ambulance Operations/Emergency Operations
8. Pediatric and High Risk Neonatal.
9. Nursing Management and Leadership.

2013- 2015 Lecturer at the Medical Training Center of Moi Teaching and Referral Hospital.

Causes taught include:

1. Emergency and Trauma Nursing
2. Critical Care Nursing
3. Teaching Methodology and Curriculum development.
4. Obstetrics and Gynecology
5. High Risk Neonate and pediatric Nursing
6. Nursing Research
7. Advanced Trauma Life Support and Basic Life Support.

2011- 2014-Nurse Manager, Accident and Emergency at Moi Teaching and Referral Hospital

Management of the Emergency Department at Moi Teaching and Referral Hospital and manning Referrals of hospitals from 22 counties.

2009 to 2011: Nurse Manager, Nursing Research and Clinical Audit at Moi Teaching and Referral Hospital.

My key responsibility at the clinical audit was to evaluate the quality of care delivered to patients.

My other responsibilities included:

1. Working with the Divisions and Units in the hospital to develop clinical indicators for measuring clinical performance
 2. Liaising with members of the Quality Assurance Team in order to provide a cohesive approach to quality management at the hospital.
 3. Provide guidance and support to healthcare staff in the promotion, implementation, and reporting of effective clinical audit findings.
 4. Providing advice and practical support in the collection and analysis of outcome data useful to identify and assess identified research problems.
10. Supporting the implementation of recommendations resulting from clinical audits.

Publications Summary

S/N	INNOVATION	
1.	Cloud-Based Contact Tracing Tool for the Surveillance of Diseases within the Health Care System Patent Number KE/P/2020/3647. Utility Model Number KE/U/2020/1479	
S/N	PUBLICATIONS	Author's HIP Points
	REFEREED JOURNALS	
1.	Sum T. Jerotich; <i>Opportunities and Constraints in Service Delivery of Basic Emergency Obstetrics and Neonatal Care (BEmONC) Services in Low Resource Settings: West Pokot County, Kenya. American Journal of Disaster Medicine Research AJDM19-201 (2019)</i>	8.0
2	Sum J. Tecla, Obwoye R. Mosol Priscah; <i>Evaluating Provider's Knowledge Level on Basic Emergency Obstetric and Neonatal Care (BEmONC) in West Pokot County, Kenya. IOSR Journal of Nursing and Health Science ISSN:2320-1940 Volume 6, Issue 6, Ver. IX (2017)</i>	4.0
3	Sum Jerotich Tecla; <i>Malaria Burden and its Possible Risk Factors among Pregnant Women Attending Antenatal Care at at Iten County Referral Hospital, Elgeiyo-Marakwet County, Kenya. International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Volume 8 Issue 7, 2019.ISSN (Online): 2319-7064</i>	8.0
4	Sum J. Tecla, Boibanda Franklin, Ayuku David, Too Jackson; <i>Assessing Facility Readiness to Offer Basic Emergency Obstetrics and Neonatal Care(BEmONC)</i>	3.20

	<i>Services in Health Care Facilities of West Pokot County, Kenya. Journal of Clinical Simulation Research 7(2017) 25-39</i>	
5	Sum Tecla Jerotich: <i>The Needs of Mothers of Preterm Neonate(s) Admitted at the New Born Intensive Care Unit (NICU) of Mother Baby Riley of Moi Teaching and Referral Hospital, Kenya. International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Volume 8 Issue 7, 2019.</i>	8.0
6	Mosol J., Sum J. Tecla Omenge O. Ronald (2016) <i>Portfolio Development as a Method of Learning, Assessment, and Evaluation in Clinical Nursing Education in Kenya. International Journal of Scientific Research and Innovative Technology ISSN: 2313-3759 Vol. 3 No. 6:</i>	2.67
7	Roseline A, Ronald O, Tecla S; <i>Prevalence of Caesarean Section in Western Provincial General Hospital. Asian Journal of Science and Technology. ISSN: 0976-3376(2017:6.946)</i>	1.33
8	Sum J. Tecla, Amolo George: <i>Emergency Medical Service System in the Developing Nations: Kenyan Scenario. International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Volume 8 Issue 7, 2019.</i>	5.33
9	Geren Starr Stone, Tecla Sum Jerotich, Paul Theodore Onalo; <i>Sauti za Wananchi "voice of the People": Patient Satisfaction on the Medical Ward at a Kenyan Referral Hospital. The Pan African Medical Journal ISSN 1937-8688: (2017) African Field Epidemiology Network.</i>	2.67
10	Mosol P, Mabeya H, Sum Tecla, Sitienei J: <i>Providing Reproductive Health Module within HIV Care and Treatment Centre in Kenya. IOSR-JNHS Journal of Nursing and Health Science e-ISSN: 2320-1959 p-2320-1940 Vol 3 Issue 1</i>	1.60
	TOTAL POINTS	44.80
S/N	BOOK CHAPTER	
1.	Sum T. Omuterema S. <i>Journal of Clinical Simulation Research (JCSR) e ISSN 2433-054X Print ISSN 2186-2893 Vol 5. No 1 (2016): Kenya's Preparedness for Mass Casualty Incidents, a Focus on Nairobi and Mombasa Cities</i>	6.0
	<i>Chelagat D, Sum J.Tecla, Obel M, A Chebor, R Sitienei; Documentation: Historical Perspectives, Purposes, Benefits and Challenges as Faced by Nurses. International Journal of Humanities and Social Science ISSN 2221-0989(online) 2220-8488 (print) Vol. 3. No. 16(2015)</i>	6.0
	TOTAL POINTS	12
S/N	BOOK	
1.	Sum J. Tecla. <i>Exploring the Needs and Experiences of Mothers with Preterm Neonates at the Newborn Intensive Care Unit of Moi Teaching and Referral Hospital, Kenya. 2015 Lambert Academic Publishers ISBN-13: 978-3-8473-1929-0:</i>	24.0
	TOTAL POINTS	24.0

Supervision of MSc. Students

1. **Benadette C. Kaprom:** *Research Misconduct: Occurrence and Management Amongst Post Graduate Students at the College of Health Sciences, Moi University. **Completed***
2. **Limo Obed:** *“Assessment of the level of disaster preparedness of health Management committees in Public Hospitals in Nandi County”. **Completed.***
3. **Hosea S. Kipkemoi:** *“Assessment of Youth-Friendly Reproductive Health Services and their Utilization at Iten County Referral Hospital in Elgeiyo Marakwet County, Kenya”. **Completed***
4. **Kwena Tito:** *Evaluation of Ambulance Referral on Maternal and Neonatal Care Services in Western Region (Kakamega and Busia Counties), Kenya. **Ongoing***
5. **Simiyu E. Walela:** *Evaluation of Management of Patients Presenting with Stroke in Selected Health Care Facilities of Kakamega County, Kenya. **Ongoing***
6. **Angose F. Sabwa:** *Assessment of Trauma Patient Triage Performance among Clinical Staff in Emergency Department at Kakamega County Hospital. **Ongoing***

Conference Papers

1. *Presented a conference Paper at the International Emergo Train System Workshop in Toyama Japan, 6th June, 2015.*

2. *Presented a Paper at during the Inter professional Models in Global Injury Care and Education at Robert Wood Johnson University Hospital, USA on the 28th July 2016.*
3. *Presented a Paper at the 10th International Conference at Masinde Muliro University of Science and Technology on supporting mothers of preterm Neonates at Riley Mother and Baby Hospital on the 26th May, 2016.*
4. *Presented a conference paper at Moi University School of Medicine on Breastfeeding options amongst Mothers Presenting with HIV/AIDS at AMPATH.*
5. Developed **a discharge Planning Programme at the postnatal ward at Moi Teaching and Teaching Hospital.**
6. Developed a Hospital Clinical Bulletin.

Professional Achievement

1. Kenya representative in the United Nations Economic Commission for Africa following the cloud-based contact tracing innovation success.
2. Appointed County Covid-19 Technical expert to Spearhead the County and University Covid Rapid Response activities.
3. A member of Patent Drafting programme Chapter (Kenya Industrial Property Institute)
4. Developed a Paramedic Medical Camp Program that aims to treat, educate and sensitize communities on Emergency Care Services. The first phase of the program started at Kakamega County. (Muliro gardens, Likuyani, National Rugby Tournament at Lions school, Nanyuki Safari Rally.

5. Nurtured Paramedic Program at Kakamega and expanded a branch at Nairobi Campus.
6. Appointed MMUST Board Member, Directorate of Science Park Innovation and Incubation Centre (SPIIC).
7. Published **eleven (11) articles with a total Publication points of 43.2 from refereed journals and 34 points (from 1 book and 2 book chapters)**.
8. A member of International Emergo Train System, Inter professional Models in Global Injury Care and Education and Kenya Emergency Medical Board.
9. Appointed Consultant with the International Business & Technical Consultants, Inc. (IBTCI) and USAID in 2017 for the Evaluation Services and Program Support (ESPS) HIV/RMNCH Baseline Assessment to perform services in the position of HIV/RMNCH Assessor.
10. Appointed Co- Investigator after successfully securing grants for a research project between Linkoping University and Moi Teaching and Referral Hospital in 2014/2015 on **“Validation Of Current Hospital Triage Performance System Versus Rapid Emergency and Treatment System”**.
11. Appointed external examiner at University of Eastern Africa Baraton
12. Presented a conference Papers at the International Emergo Train System Workshop in Linkoping Sweden 2014 and at Toyama Japan, 2015.
13. Presented a Paper at during the Inter professional Models in Global Injury Care and Education at Robert Wood Johnson University Hospital, USA on the 28th July 2016.

14. Presented a Paper at the 10th International Conference at Masinde Muliro University of Science and Technology on supporting mothers of preterm Neonates at Riley Mother and Baby Hospital on the 26th May, 2016.
15. Presented a conference paper at Moi University School of Medicine on Breastfeeding options amongst Mothers Presenting with HIV/AIDS at AMPATH.
16. A member of Rutgers Global Nursing Research Collaborative.
17. Appointed member of Disaster Medicine Education and Training Association in Toyama Japan, June 2015.
18. Developed a discharge Planning Programme at the postnatal ward at Moi Teaching and Teaching Hospital, 2012.
19. Developed a Hospital Clinical Bulletin for Moi Teaching and Referral Hospital in 2012.

Other Professional Awards

1. Accredited for facilitating training on Quality Improvement at Moi Teaching and Referral Hospital in 2013.
2. Awarded a certificate in 2011 after having attended an International Health Research Ethics Course.
3. Awarded a certificate for having attended Edu link training on Quality Improvement and Leadership in Health Services- 2011
4. Awarded a certificate after completion of training in Nurse Management Systems and Leadership training-2011

Referees

1. Mr. Arudo John
Dean, School of Nursing, Midwifery and Paramedical Sciences
Masinde Muliro University of Science and Technology,
P.O Box 190-50100
Kakamega.
Telephone 0725430572
2. Prof. Kimaiyo Sylvester
Director, AMPATH
School of Medicine
Moi University
P.O Box 4600-30100
Eldoret.
Telephone 0722284916
3. Prof. Too Jackson
Senior Research Consultant
Commission for University Education.
P.O Box 54999-00200
Telephone 0722672758