



sanofi

SKILL BUILDING WORKSHOP THE JOURNAL CLUB EAST AFRICA (JCEA) PROJECT

Implementor: The East Africa Diabetes Study Group (EADSG)

Sponsor: Sanofi

Participants: Master of Science students, consultants interested in research and updating knowledge through journal club

Participating Countries: Rwanda, Tanzania, South Sudan and Uganda

Workshop objectives

- i. In general, to build a cohort of young medical professionals who will be future researchers, journal club champions and active participants of evidence-based medicine in their respective facilities
- ii. Specifically, to build capacity in systematic review of literature, critical appraisal of literature and synthesizing the evidence and finding the gaps in a journal article, and
- iii. build capacity overall in research methodology to help the participants understand the essential skills required to conduct a scientific research based on empirical data as they prepare a thesis in the Masters or PhD programme.

Course Overview

- Broad topics to be covered in the workshop are include:
 - Steps in research process: a) identification of research problem b) converting problem into research c) formulation and planning concepts in research.
 - Research design and its use in research

- Overview on quantitative and qualitative research methods
- Ethics: National Council of Science Technology / Review and Ethics Committee (REC) / Institutional Review Board (IRB)
- Report writing and referencing
- The Journal Club: what is a journal club?
- The Journal Club East Africa (JCEA) Project
- The process of setting up a sustainable journal club
- Critical appraisal of research articles

Time	DAY 1: 24 AUGUST 2024 Session Chair: Silver Bahendeka	Presenter
07:30-08:00	Registration	Secretariat: M. Gimono / I. Ankwas
08:00-09:30	Launch of the Journal Club East Africa (JCEA) Project	Raymond Mwebaze - EADSG/MKPGMS Kaushik Ramaiya - EADSG Silver Bahendeka- EADSG/MKPGMS Joseph Muga – Sanofi Charles Namisi – Dean MKPGMS Patrick Kyamanywa – VC UMU
	Session Chair: Raymond Mwebaze	
09:30-10:30	What a peer-reviewed journal expects-Manuscripts writing and submission. Q&A Session	Koch Marta – The Lancet & Endocrinology Journal
10:30 -11:30	Research Ethics: A must Q&A Session	Nelson Fredrick Nakwagala
11:30-12:00	TEA/COFFEE BREAK Session Chair: Kaushik Ramaiya	BREAK TEA/COFFEE
12:00-13:00	Choosing the right design for your study Q&A Session	Ronald Wesonga
13:00-14:00	Research Gaps in East Africa Q&A Session	Kaushik Ramaiya

14:00-15:00	LUNCH BREAK Session Chair: Ronald Wesonga	LUNCH BREAK
15:00-16:00	Research methods: an Introduction to quantitative research Q&A Session	David Guwatudde
16:00-17:00	Research methods: an Introduction to qualitative research Q&A Session	Maria Kaguhangire Barifaijo
17:00-18:00	Tea and Networking	
18:00	END OF DAY 1 SESSIONS	House Keeping
Time	BEGIN DAY 2: 25 AUGUST 2024	Presenter
09:00-10:00	TEA/COFFEE BREAK Session Chair: Maria Barifaijo	
10:00-11:00	Basic statistical methods: Types of variables; sample size calculation; analyzing and presenting your data; interpretation of results	David Guwatudde
11:00-12:00	Study Variables: Steps in choosing the right variables to answer the research question	Ronald Wesonga
12:00-13:00	Questionnaires: Designing a questionnaire; validity and reproducibility	Maria Kaguhangire Barifaijo
13:00-14:00	LUNCH BREAK Session Chair: David Guwatudde	
14:00-15:00	Place for a journal club in research	Charles Namisi
15:00-16:00	Statistical packages	Ronald Wesonga
16:00-17:00	Critical appraisal of research articles: Critique and not Criticize	SK Bahendeka
17:00-17:30	The Journal Club East Africa (JCEA) Project The process of setting up a sustainable journal club	SK Bahendeka
17:30-18:00	END OF DAY 2 CLOSING CEREMONY DEPARTURE	House Keeping