 

 

**REPORT**

**Training Workshop on Research4Life/HINARI Resources for Postgraduate Students, AAU, College of Health Sciences**

***Organized by Center for Electronic Health (eHealth) with Support from MLA***

**Addis Ababa, 9 -11, 12-14 & 16-18, January 2017**

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Annex 3. Training Photo (**Will be attached when country situations allowed**)

**Training Course on Research4Life/HINARI E-Resources, Ethiopia**

1. **Introduction**

The Training Course on Research4Life/HINARI resources aimed at improving the capacity of graduate students/Residents of the college of Health science, School of medicine, Black Lion Hospital to produce internationally comparable research on the area of health and health care delivery of the country.

The training course offered to the participants an opportunity to get to know health electronic resources available on the Internet in general and HINARI resources accessible freely to developing countries like ours in particular for better health care decision making and addressing the digital divide.

The training was organized by Center for eHealth in cooperation with School of medicine, Addis Ababa University. Medical Library Association (US) was funding the program. Though we planned to conduct the training last October, due to some country level situations at home that was primarily associated with Internet connection we decided to extend it further.

These training workshop was accompanied by methodological training materials that have been developed by WHO/HINRI team, revised and supplied by Professor Lenny Rhine and locally customized by the trainer and training coordinator of this project. A shortened version of the training materials were prepared while covering the core issues as per the local needs and requirements.

This interim report is aimed at providing readers a bird’s eye view on the Research4Life/HINARI training workshop held From January 9 – 18/2017 at Addis Ababa University, College of Health Sciences, in three consecutive rounds until the final report is submitted.

1. **Objectives**

The major objective of the training workshop was enhancing the quality of research, education and clinical services through effective use of free and low cost electronic health information resources available to developing countries focusing on the HINARI e-resources database.

1. **Participation**

The training course was primarily designed for Graduate Students (Residents) enrolled at five specialty programs in five departments of the school of medicine, College of Health sciences, Addis Ababa University who were selected to participate in the first three rounds training workshop. The selection was made at their department level. However, due to overloads at their department, participants from one department were not availed for the training thus organizers has accepted participants from other school of the college who expressed high interest and necessity for their participation. In total, 98 participants were attended the training in three consecutive rounds from January 9 – 18, 2017 GC (Table 1).

**Table 1: Training Participants by Department\* and Gender**

|  |  |  |  |
| --- | --- | --- | --- |
| **Department** | **Gender** | | **Total** |
| **Male** | **Female** |
| Surgery | 12 | 8 | 20 |
| Radiology | 12 | 3 | 15 |
| Internal Medicine | 18 | 2 | 20 |
| Pediatrics | 10 | 6 | 16 |
| Public Health | 19 | 6 | 25 |
| Observer | 1 | 1 | 2 |
| **Grand Total** | **72** | **26** | **98** |

* Three rounds training were combined as: Surgery & Radiology; Int. Med & Ped; Public health

1. **Overview of the course content**

The following major topics were covered during the training workshop through slide presentation and hands on practice:

* **Evidence-based Medical care and EBM practice resources for HINARI users**

This course helps participants to have an understanding on what an Evidence Based medicine is, discuss how EBM practiced, determine why EBM is necessary and to explore evidence based health resources. The details include an explanation on the what, why and how of evidence based medicine, the 5 Steps evidence based medicine processes, formulating clinical questions, limitation of Evidence based medicine and available evidence based resources.

* **Health resources on the Internet & Website evaluation**

This course described to learners on Search engines, gateways, databases, Boolean searches and advanced search features; resources freely available on the Internet that provide information on consumer health, HIV/AIDS, Nutrition, Pharmacology, public health, tropical medicine and infectious diseases resources. At the same time, some tips on website evaluation including the importance of evaluating the accuracy, Authority, quality and reliability of Internet resources when carrying out literature search was addressed.

* **Research4Life/HINARI Program**

In this part background information has provided on Research4Life Programs (HINARI, AGORA, OARE, and ARDI), explanations on HINARI resources usage policy (Do’s and Don’ts), eligibility issues, Technical Requirements for HINARI, E-Resources, Types of Journals, HINARI training materials and about journal Impact Factor.

* **HINARI Portal**

This part of the training offered trainers an insight on the topics such as finding the HINARI website, website features, Logging in to the HINARI website using HINARI user name and institutional password, finding journals, Finding articles, e-book collections, other full-text resources and about other free collections.

* **PubMed Website**

This part of the course is fully devoted to introducing participants about PubMed website including connecting to PubMed, Navigating through PubMed, Selecting a database to search on the black database bar, Searching PubMed, Display options, Printing, saving and email options.

* **EndNote Reference Management Software**

The training also addressed a topic that focused on the EndNote Library (reference Management Software) which has got great appreciation from the participants. It covered topics that introduce learners on what EndNote is? The EndNote Library, Entering and Editing References, Searching Online Databases, Importing Reference Data, Searching and Sorting in EndNote and Using Groups.

1. **Evaluation of the Training Workshop**

Evaluations were carried out during the course, including a specific evaluation for each part of the course. Here I present an overview of the final evaluation. Issues considered were the methodology of the course, course content and organization, the number of participants as well as general suggestions.

Regarding the methodology, most of the participants qualified it as very good (48%) and good (30%), and 17% evaluated it as excellent. Almost half of the participants expressed their interest in giving more time to practical exercises.

The contents and organization of the course was well perceived in general. 54% qualified it as excellent, 36% reported as very good and 8% as good.

Taking into account the topics of the course, 85% of the participants considered that the number of participants was adequate, 10% considered it high, and only 3% considered it low. Some of them commented that the varying experiences among participants were good, and thus it would have been useful to accommodate for participation earlier training participants in upcoming trainings so as to learn from their experiences especially in terms of challenges and solutions faced in accessing internet resources.

**Conclusion**

Even though several HINARI trainings had been conducted at the college earlier, this training program is the first in its type which is designed for new entry postgraduate students (residents). We hope the trainings has equipped participants with adequate skills of literature searching, searching HINARI resources, evaluating internet resources, managing citations and the like. This is expected to make them more efficient in using the available information resources in facilitating the medical teaching, hospital service delivery and quality research output in the college of health sciences.

We planned to conduct a post workshop survey on July 2017 to evaluate participants' online literature searching experiences. This will be collected through an online survey questionnaire that will assess their activities on using the resources, skill levels and problems encountered. The survey result will be published in one of reputable local journal.

**Acknowledgement**

**We would like to acknowledge Medical Library Association-US for awarding the HINARI/Research4Life Grant to help with the success of this three round training programs. We are also grateful to Prof. Lenny Rhine of the Librarian Without Boarder/ MLA, for his support in sending us revised training materials and unreserved consultation from distance.**

**Annex 1. Training Program**

|  |  |  |
| --- | --- | --- |
|  |  |  |

#### HINARI/Research4Life TRAINING Program FOR Postgraduate Students, CHS, AAU

**PROGRAMME OF ACTIVITIES January 9 – 18, 2017**

**Monday January 9, 2017**

09:00 – 09:30 Registration/Opening Ceremony

* Welcoming and opening remarks by organizers
* Administrative Announcements

09:30 – 10:30 Introduction to Evidence Based Medicine and Evidence Based Practice Resources

10:30 – 11:00 TEA BREAK

11:00 – 1:00 PM EndNote Reference Manager

1:00 – 2:00 PM Lunch

2:00 – 3:00 PM Practical Exercises on EBM

3:00 – 3:15 PM TEA BREAK

3:15 – 4:00 Health Information on the Internet

**Tuesday January 10, 2017**

09:00 – 10:00 Internet Searching & Evaluating Websites

* Gateways, Search Engines, Databases
* Google Vs Google Scholar Vs PubMed
* Effective Search Strategy
* Boolean Searching
* Advanced Searching
* Evaluating Websites

10:00-10:30 HINARI/ Research4Life Program

* Background
* Usage Policy
* Technical Requirements for HINARI
* E-Resources
* Types of Journals
* Journal Impact Factor

10:30 – 11:00 TEA BREAK

11:00 – 1:00 PM HINARI Portal

* HINARI Website
* Registration/logging in to HINARI
* Finding e-journals
* Finding Articles

1:00-2:00 PM Lunch

2:00 – 3:00 PM HINARI Portal-

* Other Full text resources
* Other Free Collections

r Free Collections

3:00 - 3:15 PM TEA BREAK

3:15 - 4:00 PM Practical Exercises

**Wednesday January 11, 2017**

09:00 – 10:30 AM PubMed Database Interface

* Connecting to PubMed
* Navigating and Searching in PubMed
* Display options
* Printing, saving and email options

10:30 – 11:00 TEA BREAK

11:00 – 1:00 PubMed Filters/ Limits and Advanced Search

* Limits - by publication date, age, language, gender or specific study group, publishing group, author or journal
* Advanced Search

1:00 – 2:00 Lunch

2:00 – 3:00 PM Practical Exercises

3:00 – 3:15 TEA BREAK

3:15 – 4:00 Access Problems and Solutions: Printing, Coping, Saving &

Emailing Problems & Solutions

4:00-4:15PM Closing Remark & Certification

**Annex 2. List of Participants by Department and Gender**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name** | **Department** | **Year** | **Gender** | **Attendance** |
| **1** | Jemal Beksisa | Public Health | II | M | Complete Course |
| **2** | Lezihalem Almaw | Public Health | II | M | Complete Course |
| **3** | Ulfet Abdurahman | Public Health | II | F | Complete Course |
| **4** | Tilahun Desta | Public Health | II | M | Complete Course |
| **5** | Chemirew Ejigy | Public Health | II | M | Complete Course |
| **6** | Desta Berhane | Public Health | II | M | Complete Course |
| **7** | Adefres Yared | Public Health | II | M | Complete Course |
| **8** | Asfawossen Solomon | Public Health | II | M | Complete Course |
| **9** | Birhanu Legesse | Public Health | II | M | Complete Course |
| **10** | Mohammed Ahmed | Public Health | II | M | Complete Course |
| **11** | Jemal Hassen | Public Health | II | M | Complete Course |
| **12** | Aklilu Negash | Public Health | II | M | Complete Course |
| **13** | Mesfin Tigistu | Public Health | II | M | Complete Course |
| **14** | Zerihun Alemu | Public Health | II | M | HINARI Part |
| **15** | Dereje Merri | Public Health | II | M | Complete Course |
| **16** | Yididia Sileshi | Public Health | II | F | Complete Course |
| **17** | Geteye Getaneh | Public Health | II | M | Complete Course |
| **18** | Aster Abebe | Public Health | II | F | Complete Course |
| **19** | Belaynesh Kokebe | Public Health | II | F | HINARI Part |
| **20** | Tesfa Hailu | Public Health | II | M | Complete Course |
| **21** | Desta Digdamo | Public Health | II | F | Complete Course |
| **22** | Nigusie Baye | Public Health | II | M | Complete Course |
| **23** | Wogayehu Workeneh | Public Health | II | M | Complete Course |
| **24** | Binyam Techane | Public Health | II | M | HINARI Part |
| **25** | Kebkab Tilahun | Public Health | II | F | Complete Course |
| **26** | Abdi Solomon | Surgery | I | M | Complete Course |
| **27** | Abebe Endeshaw | Surgery | I | M | Complete Course |
| **28** | Abinet Mengesh | Surgery | I | M | Complete Course |
| **29** | Alem Meketa | Surgery | I | F | Complete Course |
| **30** | Belete Shukro | Surgery | I | M | Complete Course |
| **31** | Daba Eticha | Surgery | I | M | Complete Course |
| **32** | Etsubdink Abera | Surgery | I | F | Complete Course |
| **33** | Girma Moges | Surgery | I | M | Complete Course |
| **34** | Hanna Abebe | Surgery | I | F | Complete Course |
| **35** | Helinna Legesse | Surgery | I | F | Complete Course |
| **36** | Hiwot Fentahun | Surgery | I | F | Complete Course |
| **37** | Jatani Arero | Surgery | I | F | Complete Course |
| **38** | Joseph Malesh | Surgery | I | M | Complete Course |
| **39** | Mekonen Alemayehu | Surgery | I | M | Complete Course |
| **40** | Mengistu Getachew | Surgery | I | M | HINARI Part |
| **41** | Messay H/Mariam | Surgery | I | F | Complete Course |
| **42** | Rambang Gideon | Surgery | I | M | Complete Course |
| **43** | Sabit Mohamednur | Surgery | I | F | Complete Course |
| **44** | Tadele Awoke | Surgery | I | M | Complete Course |
| **45** | Workye Tigabu | Surgery | I | M | Complete Course |
| **46** | Abdissa Mehrete | Internal Medicine | I | M | Complete Course |
| **47** | Abebe Mulugeta | Internal Medicine | I | M | Complete Course |
| **48** | Alemayehu Shiferaw | Internal Medicine | I | M | Complete Course |
| **49** | Beza Lulseged | Internal Medicine | I | M | Complete Course |
| **50** | Dawit Damtew | Internal Medicine | I | M | HINARI Part |
| **51** | Ermiyas Beyene | Internal Medicine | I | M | Complete Course |
| **52** | Henok G/Meskel | Internal Medicine | I | M | Complete Course |
| **53** | Hiwot Ayalew | Internal Medicine | I | F | Complete Course |
| **54** | Kumala Adugna | Internal Medicine | I | M | Complete Course |
| **55** | Lidya Ayele | Internal Medicine | I | F | Complete Course |
| **56** | Mesfin Nesru | Internal Medicine | I | M | Complete Course |
| **57** | Mohammed Ahmed | Internal Medicine | I | M | Complete Course |
| **58** | Mohammed Yimam | Internal Medicine | I | M | Complete Course |
| **59** | Solomon Tsegaye | Internal Medicine | I | M | Complete Course |
| **60** | Teferi Merid | Internal Medicine | I | M | Complete Course |
| **61** | Wongel Bekele | Internal Medicine | I | M | Complete Course |
| **62** | Yinager Agede | Internal Medicine | I | M | Complete Course |
| **63** | Zekarias Amdemariam | Internal Medicine | I | M | Complete Course |
| **64** | Zerihun Bogale | Internal Medicine | I | M | Complete Course |
| **65** | Workeneh Senbeta | Internal Medicine | I | M | Complete Course |
| **66** | Alelgne Mohammed | Radiolgy | I | M | Complete Course |
| **67** | Aman Getachew | Radiolgy | I | M | Complete Course |
| **68** | Ashenafi Lema | Radiolgy | I | M | Complete Course |
| **69** | Ayana Wasie | Radiolgy | I | M | Complete Course |
| **70** | Bezawit Ayalew | Radiolgy | I | F | Complete Course |
| **71** | Chala Dessalegn | Radiolgy | I | M | Complete Course |
| **72** | Dori Woldu | Radiolgy | I | M | Complete Course |
| **73** | Illi Amin | Radiolgy | I | M | HINARI Part |
| **74** | Mekonnen Kafani | Radiolgy | I | M | Complete Course |
| **75** | Mekonnen Birhanu | Radiolgy | I | M | Complete Course |
| **76** | Merry Jiji | Radiolgy | I | F | Complete Course |
| **77** | Metti Kuma | Radiolgy | I | F | Complete Course |
| **78** | Mikias Befekadu | Radiolgy | I | M | Complete Course |
| **79** | Nebil Ahmed | Radiolgy | I | M | Complete Course |
| **80** | Tewodros Endale | Radiolgy | I | M | Complete Course |
| **81** | Adugna Tesfaye | Pediatrics | I | M | Complete Course |
| **82** | Atsede T/Haimnt | Pediatrics | I | F | Complete Course |
| **83** | Behaylu Yibe | Pediatrics | I | M | Complete Course |
| **84** | Berhanu Degu | Pediatrics | I | M | Complete Course |
| **85** | Betelehem Belay | Pediatrics | I | F | Complete Course |
| **86** | Bitseat W/Gebriel | Pediatrics | I | F | Complete Course |
| **87** | Elham Sani | Pediatrics | I | F | Complete Course |
| **88** | Firehiwot Markos | Pediatrics | I | F | Complete Course |
| **89** | Gemechu Edae | Pediatrics | I | M | Complete Course |
| **90** | Helen Mintesint | Pediatrics | I | F | Complete Course |
| **91** | Messele Chane | Pediatrics | I | M | Complete Course |
| **92** | Miressa Belay | Pediatrics | I | M | Complete Course |
| **93** | Mohammed Abdi | Pediatrics | I | M | Complete Course |
| **94** | Negeo Tesfaye | Pediatrics | I | M | Complete Course |
| **95** | Teferi Abera | Pediatrics | I | M | Complete Course |
| **96** | Tiya Didole | Pediatrics | I | M | Complete Course |
| **97** | Bekelech Haile | Internal Medicine | III | F | Observer |
| **98** | Kebede Ketema | Surgery | III | M | Observer |