US Medical Education

Josiah Massey Conference in October 2008 with 35 peers and experts

- After over 30-years, the US medical educators and peers have declared that current standards of medical education in US do not suit the system
- Recommended to re-think and revise the curriculum and current patterns of medical education
- To achieve the aim, the medical educators and peers are spending most of their times in evolving new curriculum and teaching methodologies in medical education
- Technological and curriculum innovation will produce a generation of physicians prepared in a very different manner than ever before
US Medical Education

- Coinciding with a recent study by the AAMC urging colleges to move toward competency-based outcomes for medical learning rather than assessing students' knowledge of specific facts
- Many medical schools curriculum are seeing tangible shifts in the way they deliver education
- Broad array of avatar-based medical technologies already in existence – developed by Univ. Florida, Medical College of Georgia, and University of Georgia
- We will have to wait to see its effect on medical education both in the US and the Caribbean Medical Schools

Current Health Sciences Educational Programs must deal with a growing and changing amount of Mega knowledge.

Increasingly important for medical students to be able to use and manage knowledge.

Some recommendations are that medical schools incorporate Open-book tests in assessment programs to meet these changes.
The academic success of students is and will always be top priority for all medical schools.

Simulation-based teaching (SBT) is used in medical education.

As an alternative to other teaching methods, there is a lack of evidence concerning its efficacy.

Students did better in self-assessment score in SBT than Problem-based-learning [PBL].

In theoretical assessment, the difference was insignificant.

However undesirable, SBT students over-rated their anticipated clinical abilities and knowledge improvement.

Globalization has provided abilities for medical educators to learn from and share knowledge around the world.

FAIMER – [Foundation of Advancement of International Medical Education and Research]
- Its purpose is to improve International Medical Education through Faculty development, education, workforce research and the creation of Data Resources.

The goal of every medical education program is to produce
- Compassionate
- Patient-centered
- Caring physicians

Irrespective of the nation involved or resources available.
Some Facts on Caribbean Medical Schools

16 offshore medical schools in ECC Region

- Oldest - AUC in 1978
- Next - Ross in 1979
- Newest
  - Trinity - in St. Vincent & Grenadine - Sep 2008
  - UMHS - St. Kitts - May 2008
Some Facts on Caribbean Medical Schools

Goals

- To attract as many students as possibly to enroll in the medical schools
- To get accredited by as many US States Boards of Medical Education as possible enabling clinical rotations for students in US Teaching Hospitals
- To prepare students to pass NBME/USMLE Exams with a very high score
- To educate students to be competent, compassionate, knowledgeable & well qualified physicians
Some Facts on Caribbean Medical Schools

USMLE Results

- A Recent study show pass rate of Antigua medical students at 22.9% - Incorrect **

Since AUA’s inception ±
- For all students 80.6%
- with an overall Basic Sciences GPA of 3.0 and higher, 98.6%
- with a cumulative GPA of 3.5 or higher; 100%


[± AUA Data]
Recent advances in medicine have vastly increased the pool of knowledge that medical students need to know.

Many creative approaches have evolved over the past few years, utilizing new technology and focusing on behavioral sciences more, while putting less emphasis on memorization of medical facts.

The ultimate goal of these changes is to encourage medical students to see patients as complete people, not a collections of symptoms and conditions.
Changing Trends in Medical Education

- There is so much knowledge that physicians need to know in that they need to understand social and behavioral sciences, and even have less time to teach students.

- With so many approaches to ability to treat patients, teach students, medical school curriculum are sure to get even more diverse. Technological and curriculum innovation will produce a generation of physicians prepared in a very different manner than ever before. But school officials say some facets of medicine will never change.
# USMLE Step I Examination in 2006

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
<th>Passed</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20,605</td>
<td>12,637</td>
<td>61</td>
</tr>
<tr>
<td><strong>First Timer</strong></td>
<td>14,577</td>
<td>10,272</td>
<td>70</td>
</tr>
<tr>
<td><strong>Repeater</strong></td>
<td>06,028</td>
<td>02,365</td>
<td>39</td>
</tr>
<tr>
<td><strong>US Citizens</strong></td>
<td>04,967</td>
<td>02,387</td>
<td>48</td>
</tr>
<tr>
<td><strong>First Timer</strong></td>
<td>02,745</td>
<td>01,653</td>
<td>60</td>
</tr>
<tr>
<td><strong>Repeater</strong></td>
<td>02,222</td>
<td>00,734</td>
<td>33</td>
</tr>
<tr>
<td><strong>FMGs</strong></td>
<td>15,638</td>
<td>10,250</td>
<td>66</td>
</tr>
<tr>
<td><strong>First Timer</strong></td>
<td>11,832</td>
<td>08,619</td>
<td>73</td>
</tr>
<tr>
<td><strong>Repeater</strong></td>
<td>03,806</td>
<td>01,631</td>
<td>43</td>
</tr>
</tbody>
</table>
2006 USMLE Examination
5,146 US citizens

Step I 3,337
Step II 2,918

- Dominica 1,367
- Grenada 1,035
- Netherlands Antilles 0,969
- Mexico 0,897
- Cayman Island 0,679
"In early days, I tried not to give librarians any trouble, which was where I made my primary mistake. Librarians like to be given trouble; they exist for it, they are geared to it. For the location of a mislaid volume, an un-catalogued item, your good librarian has a ferret’s nose. Give her a scent and she jumps the leash, her eye bright with battle."

*Catherine Drinker Bowen (1897–1973), U.S. biographer.*
Ross University

- Established in June 1979 in St. Kitts and moved to Dominica later
- The largest medical school in the Caribbean and the World
- Author’s experience from September 1994 to July 2000
- Did not give importance to its library
- 99% of its collection was old, very old
- The management acquired these from donations
- Most books were sold of $1; but there were no takers
- Immediately from October 1994, things changed
Ross University

- Renovation of library commences
- More seating area of planned from original 100-110 seats to 350 seats
- Furniture – reading tables and chairs were acquired
- Book shelves were acquired and new books were regularly purchased - multiple copies of Required and recommended books
- Existing Library was extended to create more reading area from 350 seats to over 600 seats at any given time
- Internet browsing area of established;
Ross University

- Library worked from 8 AM until 2 AM every day of the week during a semester;
- Two weeks prior to Exams, it worked 24-hours daily
- Improvements in attitude of library staff was noticed by both the faculty and the management
- The library was working truly as a service department and help and assistance was offered by all working in library for the faculty and the students
- Result was that the management was extremely happy with these development and was ready to consider approval for additional expenditure on library
American University of Antigua

- Chartered in Antigua & Barbuda in 2002
- Opened doors of the medical school on February 14, 2004 with only 9 students
- Uncertain if it was going to be a successful endeavor
- Lot of efforts and sacrifice
- After 5 years, total student population grew to over 1000
- Pre-Medical and Medical Courses were offered
- Arts and Science College was opened in 2007
- Nursing School was established
- A Veterinary Medical School will open its doors in Jan 2010
- Total student population now stands at 1,900
American University of Antigua

- US$100 million new campus is about completion
- New Library will have 60K Sq. Ft area
- It will be housed on 2\textsuperscript{nd} and 3\textsuperscript{rd} floor of the Main Building
- There will be four blocks on each floor
- One block will house books and audiovisual materials
- Remaining blocks will have reading area with group study rooms, study carrels, state-of-the-art Audiovisual Room for faculty and students, and discussion rooms
- Several Study areas will be “Quite Study Areas”
American University of Antigua

- One of the eight blocks will be available as 24-hour study area for students
- Students can take their book-bags
- No food of beverages of any kind except plain water
- It will be a secured reading area
- The entire library will be monitored by Security Cameras
- All library area will have Wi-Fi and hard-wired connections
- Students are encouraged to bring their laptops
American University of Antigua

- Library will have an independent Server - automation software - “Easylib”
- Faculty notes, lectures, power point presentations, videos will also be on this server
- Students can access these “Read Only” files from teachers and can download
- Students must log on to the Library Server to access
- “Exam Master” Interactive Practice Exams will also be on this server
AUA College of Medicine's Health Sciences Library is established to serve the Students and the Faculty, with biomedical information, reading materials both printed and non printed, audio visual aids, computerized instructional materials and advanced technological resources such as the Web, on line journals, Full texts as well as self testing materials.

The Library is established on the principle that the Faculty and the students should have timely access to biomedical information, and its dissemination.

Aim and objective of the Library is to meet the needs for reading materials for education, self-directed learning, Continuing education, research and teaching.

Quick Links

- **Exam Master (NEW)**
- **Latest Students Handbook** [from S-Drive]
- **Library Handbook** [PDF]
- **Library / IT Guide** [PDF]
- **Visit Department Sites**
- **The Cochrane Library**
- **LiRN Databases**

Library Opening Hours:
Mon - Fri 8.00 am - 2.00 am
Sat - Sun 10.00 am - 2.00 am

Library Extension Study Hall
Mon - Fri 8.00 am - 12.00 midnight

Read Antigua Sun

Last Updated on 12 January 2009
Maintained by: Vijay
1. Access E-Journals from anywhere. Click here [secured through your AUA User Account]

2. Access LIRN Database from anywhere Click here [secured through your AUA User Account]

3. Access Exam Master from anywhere Click here [secured through your AUA User Account]

4. Access Cochrane Library

5. Access HighWire

If you need Full Text articles from other Journals through Document Delivery, contact Dr. J. K. Vijayakumar (Associate Director of Library Services) at vijay@auamed.net with Citations.

6. Access Faculty Notes (S-Drive)

7. Free Access to Free E-Journals
AMERICAN UNIVERSITY of ANTIGUA
Library and Learning Resources

AUA Home

How to Search Pub-Med Tutorial - 1 | Tutorial - 2 (Need Flash Player)

E-Resources

How to Search MEDLINE through Ovid Tutorial - 1 | Tutorial - 2

Free Resources

How to use Exam Master ™ Demo Page

Gateways

How to search Annual Reviews™ Online Tutorial - 1

Computer Based Resources

How to search EBSCO™ Online Tutorial - 1 | Tutorial - 2

Organizations

Contact Us

Students E-Mail

Back to Home
AMERICAN UNIVERSITY of ANTIGUA
Library and Learning Resources
College of Medicine

Faculty

Majid Pathan PhD
Vice President of International Services & Dean of Library Services and Academic Support

J. K. Vilaakumaran PhD
Associate Director of Library Services

Library Staff

Patricia Artherton-Thomas
Library Assistant

Angelica Lueck
Book Store Manager & Library Assistant

Gaitri Ann-Hernandez
Library Assistant (Evening)

Candasssey Harry
Library Assistant

Carolyn Spencer
Library Assistant (Weekends)

Manasseh Tonge
Library Helper (Evening & Weekends)

Rishma Tonge
Library Helper (Evening & Weekends)

Fidel Campbell
Library Helper (Extension)

Maryse Tricia Chambers
Library Helper

Francella Mack
Library Helper (Extension)

Telephones & Fax

481-8869 (Off)
481-8899 (Fax)
481-8856 (Off)

E-Mails

drmpathan@auamed.net
vjlaj@auamed.net

Patriciaat@auamed.net
bookstore@auamed.net

Postal Address:
American University of Antigua, College of Medicine
West Campus, Friars Hills Road, PO Box No W-1451,
St. John's, Antigua, WEST INDIES
Web:
http://students.auamed.net/library

Library Opening Hours: Mon - Fri 8.00 am - 2.00 am & Sat - Sun 10.00 am - 2.00 am

Library Extension Study Hall Timings: Mon-Fri 8.00 am - 12.00 midnight
AUA Welcomes You to

EXAM MASTER OnLine™
Advanced Board Preparation for Medicine and the Health Sciences

Access to Exam Master is Restricted to AUA Students Only. You Need to register with Exam Master preferably using your AUA E-Mail Click here

Note: AUA Students are not authorized to share their Username and Password with any one, which is unique for every one. Sharing of this important information may cause in unauthorized access to your e-mails, grades and other personal information, for which AUA will not be responsible.
Computer-assisted-instructions

- Advent of WWW in 1991 greatly facilitated the use of internet and its potential as an instructional tool.
- Experts note that there is no advantage of e-learning to traditional instructional methods.
- Some studies have revealed that student prefer printed materials to web-use.
- Lot of advantages and disadvantages Traditional Vs Internet
Computer-assisted-instructions

- Reviews concluded that e-learning is educationally beneficial; but neither superior nor inferior to traditional methods
- Educators are not convinced about CAI
- E-learning will never be the universal panacea

[Reprinted]
[Reprinted]
New Library – First Floor
New Library
First Floor

BLOCK A

24-Hour Reading Area

- Offices
- Library Server Room
- Group Study Rooms 23.
- Study Carols = 65 nos.
New Library

First Floor

BLOCK B

Reading Area –
8:00 AM – 02:00 AM

- Offices
- Meeting Room
- Book Shelves
- Reserve Books
- Open Seating – 100 users
New Library
First Floor

BLOCK C
Reading Area –
  8:00 AM – 02:00 AM
  ▪ Storage Room
  ▪ Office
  ▪ Open Seating –
    173 Users
  ▪ Sofa Seating Area –
    56 Users
New Library
First Floor

Block D

- Group Study Rooms
- Independent Study Carols
- Faculty Area
New Library
2nd Floor
4 Blocks – A, B, C and D – WiFi and Hard-wired

Block A

- Study Area – Accommodates 200 Users
- 12 Group Study Rooms [12 Users per Room]
- Independent Study Carols with Internet Connection
New Library
2nd Floor

Block B

Group Study Area 160 users
- Independent Study Carols
- Multi-media Room for Group Study with Elmo, TV Plasma Monitor, Slide Projector, Writing Board for students and faculty
- Multi-media Room for lecture preparation by Faculty
New Library
2nd Floor

Block C

- Group Study Rooms
- Independent Study Area
- Office
- Open Seating
- Total seating 200
New Library
2nd Floor

Block D

- Group Study Rooms
- Open Seating
- Independent Study Carols
- Office
- Faculty Study Area
Future Plans

- Blackboard software purchased – E-learning platform
- Library plans to put between 25-30K Tested multiple-choice Questions as Interactive Practice Exams for exclusive use of AUA Students
- Will assist students preparing to take USMLE Step I exam in the studies during their fifth semester
- The Questions are Objective-based and are tested; written by the Course Directors of each course
- This Interactive Practice Exams will be on Intranet
I thank you most sincerely for listening