RESIDENCY-IN-TRAINING EVALUATION

Lenora C. Fernandez MD, FPCP
Chair, RITE
PILLAR ON STRUCTURE AND PROCESSES

• GENERAL OBJECTIVE:
  – To support the PCP in attaining its 1st mission as stated:

• To lead in setting the highest standards in medical diagnosis, treatment, prevention and service in the Philippines by:
  • Providing CME and training of its present and future members & staff
  • Providing an environment that promotes ethical, high-quality and cost-effective medical care
PCP Board of Regents

Residents
Training Institutions
Mentors
Communities

P.S.B.I.M.
R.T.P.
R.I.T.E
Accreditation

PILLAR ON STRUCTURE AND PROCESSES
2012 PLANS & INNOVATIONS

– Define the core competencies of an internist
– Produce the Manual of Training in Internal Medicine
– Re-introduce the in-service examination in internal medicine
– Plan on the merits and conduct of Internal Medicine Admission Test (IMAT)
– Streamline the accreditation process of training hospitals
– Write a book in internal medicine for Filipinos
1988-1997: Residency Evaluation Examination (REE)
- given to 2nd & 3rd year trainees
- mandatory

Purpose:
- preparing them for the PBIM
- detect early on the trainees who would need more academic assistance to pass their future Board examination

- Same trainee levels & purposes
- Additional purpose: summative examination that can be used by the individual training institutions to assess the cognitive knowledge of their 2\textsuperscript{nd} & 3\textsuperscript{rd} yrs

All these efforts were geared towards increasing the number of examinees who can pass the PBIM since the PBIM passing rate ranged from 23-66\% only from 1988-2003
PROBLEMS ENCOUNTERED:

- Reliability of REE & RITE as examinations ranged only from 63-78% and were assessed to lack validity.

- Other problems:
  - role of training program in utilizing the REE/RITE remained vague, thus, trainees & the institutions did not prepare & utilize the REE/RITE results in a serious & consistent manner.

The RITE was halted from 2004-2009.
RITE Committee revived in September 2009:

- To continue to provide assistance to the residents-in-training... in preparing for the PSBIM if possible

- **Formative** evaluation tool for residents

- **Features:**
  - Accommodate the rapid and explosive development of information-knowledge
  - Easily available through fast, inexpensive media
  - Fast feedback to trainees & training program
  - Cost- & man-power effective

**THRU ON-LINE SELF-ASSESSMENT MODULES**
PROBLEMS ENCOUNTERED since Jan 2010-Dec 2011:

- Only 2 modules ran on-line
- Only 23 log-ons!
- If not mandatory, no initiative to utilize learning tool.
- Module formulation not efficient.
RITE 2013

- an annual written examination to be administered to all Second-Year and Third-Year Level Internal Medicine Residents-in-Training to be held at the end of the annual year

- General objective for re-introducing the annual written RITE:
  - to determine the cognitive skills of internal medicine residents in all PCP accredited training programs in internal medicine in the Philippines.
Rationale for Annual Written RITE:

For the IM residents,
- it will help them identify their own areas of strengths and weaknesses in terms of their cognitive knowledge.
- it will help them prepare for the PSBIM.

For the Training Institutions,
- it will help identify their residents’ areas of strengths & weaknesses in cognitive knowledge and can serve as a guide in maintaining and improving its training programs.
- The institution may be able to utilize the RITE as one of its testing tool for its trainees.
Rationale for Annual Written RITE:

For the College (PCP),

- It may serve as one of the indicators in monitoring the cognitive aspect of the effectivity of the different training programs it is responsible for.

- To determine if this examination can predict the performance of the residents in the PSBIM.

- Once the reliability and validity of the RITE is proven, the Accreditation Committee may utilize this as one of the guide in setting standards for accreditation of IM training programs.
Essence of RITE

- **FORMATIVE** evaluation tool
- that shall benefit all stakeholders - PCP, government agencies and other organizations including the Professional Regulation Commission, Department of Health, Philippine Health Insurance Corporation, Philippine Medical Association, all the institutions offering Internal Medicine Residency Training Programs, the residents-in-training, and ultimately the Filipino people.
MECHANICS OF RITE

- October 13, 2013
- 7 test sites:
  - Metro Manila
  - Baguio City
  - Legaspi City
  - Cebu City
  - Iloilo City
  - Davao City
  - Cagayan de Oro City
FORMAT OF RITE:

- Formative annual written objective examination
- Assess cognitive knowledge and some attitudinal domains (thru written questions on ethical issues)
- 200 MCQ & MTF (to emulate PSBIM)
- Adopt competencies to be assessed by PSBIM
- If for any reason a resident is unable to take the examination, it will be the responsibility of the training institution to explain in writing to PCP the reasons behind the failure of a resident to take the examination.
<table>
<thead>
<tr>
<th>MAJOR TOPIC</th>
<th>Clinical present/epi/course of the disease</th>
<th>Pathophysio</th>
<th>Dx</th>
<th>Tx</th>
<th># QUESTIONS per TOPIC</th>
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<tbody>
<tr>
<td>Sub-topic/Objective</td>
<td>Characterization of the Distribution of Questions to be ensured by the Test Question-Maker</td>
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<tr>
<td>CARDIOLOGY</td>
<td>20 test questions</td>
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<tr>
<td>1. Disease/Topic 1 (e.g. Hypertension)</td>
<td>e.g. 1 question</td>
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<td>2. Disease 2 (e.g. Coronary artery disease)</td>
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<td>3. Disease 3 ...</td>
<td>e.g. 1 question</td>
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<td>Criteria:</td>
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<td>A. Quality:</td>
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<td>Recall 30%</td>
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<td>Comprehension 30%</td>
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<td>Analysis 40%</td>
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<td>A. Structure:</td>
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<td>MCQ 80%</td>
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<td>MTF 20%</td>
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<td>PULMONARY</td>
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<td>IDS</td>
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<tr>
<td>ENDOCRINOLOGY</td>
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## TEST BLUEPRINT

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<th># QUESTIONS per TOPIC Characterization of the Distribution of Questions to be ensured by the Test Question-Maker</th>
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<tbody>
<tr>
<td>GI-LIVER</td>
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<td>ALLERGOLOGY-IMMUNOLOGY</td>
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<tr>
<td>NEUROLOGY</td>
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<td>DERMATOLOGY</td>
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<td>TOTAL QUESTIONS</td>
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<td>200</td>
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</table>
# RITE COMMITTEE/QUESTION-MAKERS

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
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<tbody>
<tr>
<td>Dr. Lenora Fernandez</td>
<td>Chair</td>
</tr>
<tr>
<td>Dr. Adrian Rabe</td>
<td>Assistant Chair</td>
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<tr>
<td>Dr. Rontgene Solante</td>
<td>IDS</td>
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<tr>
<td>Dr. Beatriz Concepcion</td>
<td>Nephrology</td>
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<tr>
<td>Dr. Elaine Cunanan</td>
<td>Endocrinology</td>
</tr>
<tr>
<td>Dr. Heizel Reyes</td>
<td>Rheumatology/Ethics</td>
</tr>
<tr>
<td>Dr. Norman Maghuyop</td>
<td>Pulmonology</td>
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<tr>
<td>Dr. Jesus Relos</td>
<td>Hematology</td>
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<tr>
<td>Dr. Dennis Sacdalan</td>
<td>Oncology</td>
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<tr>
<td>Dr. Richard Tiongco</td>
<td>Cardiology</td>
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<tr>
<td>Dr. Eternity Labio</td>
<td>Gastroenterology</td>
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<tr>
<td>Dr. Cherie Cervantes</td>
<td>Immunology-Allergology</td>
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</tbody>
</table>
MECHANICS OF RITE

- Registration fee for each examinee = P500.
- Results of the RITE will be released to the examinee and the institutions as soon as possible.
- Breakdown of the scores per category to be provided for formative intent.
- Evaluation of efficacy of RITE:
  - Comparison of scores to PSBIM
  - Survey on usefulness of RITE for PSBIM preparation
IMAT
(INTERNAL MEDICINE ADMISSIONS TEST)
OBJECTIVES of IMAT

This examination is intended to

- Provide a uniform assessment standard for entrance into internal medicine (IM) training programs accredited by the Philippine College of Physicians
- Create a profile of aspiring entrants into internal medicine training programs in the Philippines
- Determine the baseline knowledge of individual aspiring entrants in comparison to the general pool of aspirants through normative statistical analysis
EXAMINATION FORMAT

- Written & objective examination
- 80% MCQ & 205 MTF questions, approximate 100 items
- Test content & blueprint:
  - According to fields in internal medicine
    - Cardiovascular Medicine
    - Pulmonary Medicine
    - Critical Care Medicine
    - Gastroenterology
    - Nephrology
    - Endocrinology
    - Rheumatology
    - Neurology
    - Dermatology
    - Hematology
    - Medical Oncology
    - Infectious Disease
  - Distributed according to level of importance and cognitive domain
  - Focus on anatomic, physiologic, & biochemical bases of diseases of the internal organs and biochemical-physiologic, pharmacologic, psychosocial and ethical bases for principles of treatment of diseases in the field of internal medicine
Examination Utilization

- Only graduates of a school recognized by the CHEd who are licensed the Board of Medicine of the PRC may be allowed to the IMAT.
- All PCP-accredited programs shall administer the IMAT as a requirement for entry into Internal Medicine training.
- Training programs shall designate the appropriate date and time for the examination.
- Training programs shall announce the date and time of the examination at least 1 month prior to the actual examination. The method of announcement shall be at the discretion of the program and should provide reasonable coverage the target population. (e.g. new medical graduates)
- Examinees will pay ______ as examination fee.
The IMAT may only be taken once by each IM aspirant. If the aspirant applied into more than one training program, he shall provide proof that he/she is going to take the exam at on selected site from among the training programs his/her application is being processed.

The examination, its answer key and the recommended MPL are sent to the training officer of each program via online means. This shall be done at least 7 days prior to the announced date of examination.

The training officer shall be responsible for securing the examination as well as test papers from pre-exam access, copying, and tampering, and post-exam access.

The exam may be printed in appropriate numbers for administration to aspiring entrants.
Examination Utilization

- The exam is checked by the training officer or his/her assigned staff using the answer key provided. Exam answers should not be accessed by anyone other than these personnel.
- The results of the examination are to be collated.
- The training programs have the option of utilizing the recommended MPL. If the program wishes to set its own MPL, it may do so and must state this in the report of collated results.
- A report of the collated results of the examination as specified in item B.10. are to be sent to the PCP RITE.