Customized Assessment Services

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CAS

- Helps to create examinations tailored to our curriculum
- The exams can be built:
 - Discipline-based: ei, Neuroscience
 - Organ-system
 - Problem-based
- Pool of items covering different topics tested in basic science
- Available through the secure NBME Services Portal (NSP)

How CAS help me with my course?

- Identify gaps in my curriculum
- Refine course objectives
- Identify redundancy
- Understand the way the students are tested -> STEP1?
- Understand the score categories in an standardized exam

How I am using CAS in my curriculum

• It has a role as a complement to my institutional exams

Key Staff Roles

- Executive Chief Proctor
- Test Construction Coordinator... us
 - Course Directors
- Faculty

Test Construction Coordinator

- Recruit faculty to participate in the process
- Generate the test for faculty review
- Refine the test
- Confirm the exam

Test Construction Activities



Test Construction Activities



To get started... what do we need?

- Content organization: discipline or organ system?
 - We can combine exams from different course directors into a single test integrated test
- Target number of items:
 - groups of 25 items: 25, 50, 75, etc.
 - can be changed later while refining the exam
 - I would probably recommend to chose a higher number, so you can have more items for possible substitutions
- Name of the exam: Neuroscience Block #1- 4/3/2017

To get started... what do we need?

- Print the content specifications
 - Prior exams and/or activity objectives to be tested can be helpful in the selection of numbers of questions per topic
- Images, patient vignettes, and experimental vignettes can be included
- Then... Approve the blueprint



Generate the draft

- Right after the blueprint is approved
- Confirming the name, providing e-mail, and initiating exam
- Within one hour:
 - NBME test construction software will generate a draft
 - Duplicates the pool for substitution purposes



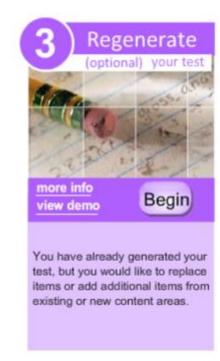
Refine the Exam

- It is the most involved stage
- Review item content
 - Variety attributes, such as item and exam difficulty, tags, and score categories
 - Notes
 - Helpful to pair the question with the activity objective while reviewing with
 - Specifying reasons for substitution
- We can use pool to replace items



Regenerate the Exam

- When items available for selection are unsatisfactory
 - Replaces the dropped items



Preview the Exam

- For final content check
- To assure pacing is accurate



Score Reporting

- In my experience.... It is available in 48 hours
- Score reports, individual student performance profiles, and item analyses for each examination

Students Feedback

• They have told me that liked the experienced... will wait for feedback in course evaluation



