EBOT – Ektimo ApS Collaboration 2009-Ongoing

Web-based administration for:
- Candidate validation
- Question bank
- Exam delivery

Copenhagen April 2013
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### Candidate validation

1. Candidates register and submit documents online
2. Candidates assigned to a validator
3. Validators review candidate documents and background
4. Validated candidates informed of outcome

#### Personal details:
- Name: Dr. Sunil Gopur Kini
- Home address: 305 Elizabeth house 23 Devonshire st
- Home town/city: London
- Home postcode: W1G 6PG
- Home country: United Kingdom
- Telephone: 07909095363
- Mobile: 07909095263
- Email: drsunilkini@gmail.com
- Alternative email:
- Nationality: INDIAN
- RU Citizen: No
- Year of birth: 1975
- Passport no: 37246271

#### Work details:
- Dept: TRAUMA AND ORTHOPAEDICS
- Loc: UNIVERSITY COLLEGE LONDON HOSPITAL
- Address: 235 EUSTON ROAD FITZROVIA LONDON
- Supervisor:
  - Name: PROFESSOR SHERES HADDO
  - Email: fares.haddad@kcl.ac.uk
  - Telephone: 0208447005

<table>
<thead>
<tr>
<th>Validators</th>
<th>Assigned:</th>
<th>Returned:</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Albert</td>
<td>2015-03-04</td>
<td>2015-03-10</td>
</tr>
</tbody>
</table>

**Report**

**Send email**
Question bank

Features

• Role based access

• Question life-cycle is clearly defined

• Item analysis – p-value, discrimination index etc.

• Question categorization/taxonomy

• Selection of questions for exams

• Exam statistics and metrics
Question bank

Roles

Administrators:
• Full overview of exams and questions
• Control of settings
• Reports graphs and data export

Writing committee:
• Compile questions
• Revise questions

Supervisors:
• Validate questions
1. Authors create **NEW** questions.

2. Committee **APPROVE** questions.

3. Questions are **TESTED** in an exam.

4. Poor questions are **REVISED**.

   (old version is saved)
# Item Analysis

## 010 - Posterior dislocation of the shoulder

**Status:** Approved  
**Type:** Interim exam  
**Difficulty:** Easy  
**Category:** Upper Limb  
**Created by:** Lars Neumann  
**Created:** 2/5/2011 12:00:00 AM  
**Last updated:** 2/23/2015 8:15:02 AM

**Stem**  
What is the most typical sign of a posterior dislocation of the shoulder joint?  

**Options:**

<table>
<thead>
<tr>
<th>Option</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>05.88%</td>
</tr>
<tr>
<td>B</td>
<td>14.12%</td>
</tr>
<tr>
<td>C</td>
<td>07.06%</td>
</tr>
<tr>
<td>D</td>
<td>71.76%</td>
</tr>
</tbody>
</table>

**Item analysis:**

- **Exam 2012**  
  - $r_p$: 0.30 (good)  
  - $p$-value: 0.72  
  - Tgs: 21  
  - Bgs: 13  
  - DI Index: 0.36  
  - Questions: 100  
  - Candidates: 85

**Question Quality**  
- Point bi-serial  
- DI-Index

**Question Difficulty**  
- $P$-value

**Distractor efficiencies**  
- All  
- Best performers  
- Worst performers
Categorization and/taxonomic attributes can be added to ensure that questions in the item bank cover the syllabus and learning objectives.
Selecting Questions

Features include:

- Select questions by filtering and sorting.
- Question details
- Exclude from previous exams
- Preview exam as candidate
- Export questions
### Exam Metrics

Features include:
- Standard error
- Kuder Richardson 20
- Mean
- Standard deviation
- Cut scores

<table>
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<tr>
<th>Select exam</th>
<th>SE</th>
<th>KR20</th>
<th>M</th>
<th>HSC</th>
<th>LSC</th>
<th>SD</th>
<th>CNT</th>
<th>M-1 SD</th>
<th>Ang</th>
<th>75% / 5</th>
<th>Q</th>
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</table>
Exam delivery

Features

- Online candidate registration
- Candidates can be grouped under location/supervisor
- Web-based or locked-browser exam delivery
- Exam administrator overview
- Exam results feedback and ranking for candidates and supervisor
- Graphical exam metrics, location, country, year of training etc.
Exam set-up

EBOT Interim Exam 14 April 2015

Use the left menu to manage exam candidates and location details.

Exam details

- Title
  - EBOT Interim Exam 14 April 2015

- Description
  - The European Board of Orthopaedics and Traumatology has started an annual assessment for all European Orthopaedic trainees. EBOT was able for the first time to gather information at European level, that was handed over to both trainees and heads of training, regarding not only the performance of the different residents but also detailed feedback on the examination process.

- Instructions
  - Hospitals will have to register to be able for its trainees to take part. To do so and become a registered hospital, please contact the EBOT administration office first to receive an official invitation with all necessary requirements. Contact the EBOT Administrator.

- Exam start date
  - 1/6/2015 10:00:00 AM

- Exam end date
  - 1/6/2015 1:00:00 PM

- Registration start date
  - 12/12/2014 12:00:00 AM

- Registration end date
  - 4/13/2015 12:00:00 AM

- Access code

Exam description

Exam duration – start/stop

Registration – open/close

Access code
Registration

European board of Orthopaedics and Traumatology

Dashboard

Exams available for registration

EBOT Interim Exam 14 April 2015

Exam name: EBOT Interim Exam 14 April 2015
Status: Open for registration
Registration end: 13/4/2015 00:00:00
Open for registration

Candidate registration, step 1 / 2

Please choose the location where you would like to sit the exam from the list below.
If you cannot find your desired location please contact the exam administrators or your location contact.

Candidate registration, step 2 / 2

Check details and register

EU Citizen
Please select 'yes' if you are a citizen of the European Union

Years of training
If you are in a recognised training program please select the year of training.
If you are not in a recognised training program.

Registration details
Exam: EBOT Interim Exam 14 April 2015
Exam day

Candidates sign in and take exam

Administrator surveillance

<table>
<thead>
<tr>
<th>Score</th>
<th>Status</th>
<th>Username</th>
<th>Email Address</th>
<th>Question Answered</th>
<th>T=Time</th>
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<tbody>
<tr>
<td>100/100</td>
<td>True</td>
<td>False</td>
<td>Emmanuel Brilakis</td>
<td>100/100</td>
<td>250</td>
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<td>100/100</td>
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<td>False</td>
<td>Iannis Papachristos</td>
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<td>0/0</td>
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<td>False</td>
<td>Lefteris Nikas</td>
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<td>False</td>
<td>Ermogenis Pavlou</td>
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<td>0/0</td>
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<td>False</td>
<td>Ioannis Nikopolouros</td>
<td>0/0</td>
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<tr>
<td>0/0</td>
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<td>False</td>
<td>Theodorus Karinos</td>
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<td>0/0</td>
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<td>Konstantinos Stanev</td>
<td>0/0</td>
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Candidate feedback

Your score compared to the other candidates in your year of training

<table>
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<tr>
<th></th>
<th>Basic Science</th>
<th>Paediatrics</th>
<th>Lower Limb</th>
<th>Upper Limb</th>
<th>Spine</th>
<th>Total</th>
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<tr>
<td>Number of questions:</td>
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<td>21</td>
<td>20</td>
<td>20</td>
<td>19</td>
<td>100</td>
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<td>20</td>
<td>19</td>
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<td>98</td>
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<td>13</td>
<td>14</td>
<td>9</td>
<td>60</td>
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<tr>
<td>Result</td>
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<td>52%</td>
<td>65%</td>
<td>70%</td>
<td>47%</td>
<td>60%</td>
</tr>
</tbody>
</table>
Exam results metrics
Prices

• Question Bank module
  2500 € per year

• Exam delivery module
  10-30 € per candidate, depends on volume
Thank you

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@examfolio.com

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