A PILOT STUDY ON MOTIVATING MEDICAL STUDENTS TO ACTIVELY PARTICIPATE AND INTERACT WITH FACULTY UTILIZING DERMATOLOGY ORIENTED ONLINE QUizzes

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BACKGROUND

• Absenteeism amongst medical school students at lectures
• Competition in education
• Online resources
OBJECTIVE

Aim of study is to explore if the use of online quizzes and social media can result in improved interactions between faculty and students.
METHODS

- April 7th, 2015 to June 11th, 2015
- Single-center study
- IRB approval
- **MS2 class**
- Primary and secondary outcomes
- 10 one-question quizzes
- **Google Forms**
- **Email & Twitter**
- **Incentive:** prize for first student with correct answer
During an annual full-body check for skin lesions, you notice a flat, pigmented patch located on the chest. What is a characteristic of this lesion?

- If atypical, melanoma can arise
- It is a result of mast cell degranulation
- Epithelial proliferation with keratin-filled cysts
- Associated with asthma/allergic rhinitis
- Type IV hypersensitivity reaction

What is your class? (C1-M4) - 

A 65-year-old male comes. What is your class? (M1-M4)
RESULTS

• 23.8% overall participation, n=143
• 80 individuals (55.9%) submitted 340 responses
• Most popular prize: coffee shop gift card
## RESULTS

<table>
<thead>
<tr>
<th>Quiz Number</th>
<th>Number of Participants</th>
<th>Percent Correct</th>
<th>Submissions in 1st 10 min of Responses</th>
<th>Submissions in 1st hour</th>
<th>Submissions Next Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>43</td>
<td>95%</td>
<td>17</td>
<td>27</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>37</td>
<td>89%</td>
<td>10</td>
<td>16</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>31</td>
<td>81%</td>
<td>4</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>33</td>
<td>97%</td>
<td>10</td>
<td>19</td>
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</tr>
<tr>
<td>6</td>
<td>40</td>
<td>95%</td>
<td>23</td>
<td>28</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>37</td>
<td>97%</td>
<td>13</td>
<td>21</td>
<td>4</td>
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<tr>
<td>8</td>
<td>39</td>
<td>100%</td>
<td>10</td>
<td>21</td>
<td>4</td>
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<tr>
<td>9</td>
<td>39</td>
<td>85%</td>
<td>19</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>33</td>
<td>91%</td>
<td>11</td>
<td>13</td>
<td>0</td>
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**Quizzes Completed**

<table>
<thead>
<tr>
<th>10-9</th>
<th>8-7</th>
<th>6-5</th>
<th>4-3</th>
<th>2-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>9</td>
<td>16</td>
<td>13</td>
<td>32</td>
</tr>
</tbody>
</table>

**Number of Students**

| 10   | 9    | 16  | 13  | 32  |
DISCUSSION

- Stimulating competition
- Increasing interactions with faculty
- Prepare students for exams
- Limitations
- Future plans
THANK YOU!
WORKS CITED


