

8<sup>th</sup> World Congress on

# HEALTHCARE & MEDICAL TOURISM

November 17-18, 2016 | Dubai UAE

## ASSESSMENT OF THE STUDENT LEARNING OUTCOMES FOR THE RESEARCH COURSE (CMED 305) FROM 2011 TO 2014 AT COLLEGE OF MEDICINE, KING SAUD UNIVERSITY

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**Introduction:** Health research courses are an important component of medical education to improve medical care.(1) Studies have proven that research experience during medical college strongly associated with postgraduate research initiatives.(2,3) CMED-305 course is the first gate for students in College of Medicine, King Saud University, Riyadh, Saudi Arabia, to enter medical research life. The research will give a feedback to Community Medicine Department to help them in the process of course development. Also the course progress has never been assessed for the last three years.

**Methodology:** The study was a quantitative observational cross sectional study and it took place at the college of medicine, King Saud University, Riyadh, Saudi Arabia. The inclusion criteria for this study were 4th , 5th medical students and interns who fulfilled (CMED 305) course from 2011 to 2014. the exclusion criteria were medical students who did not fulfill (CMED 305) course or fulfilled the course before 2011. Data was collected by soft copy questionnaire. Data of questionnaire and variables were subdivided into the following categories, staff supervising positives, and negatives, skills gained from the course, attitude toward the course and research, in general, difficulties encountered during course fulfillment and knowledge that gained by students during the course. Statistical analyses were performed using the Statistical Package for the Social Sciences (SPSS).

**Results:** Questionnaires were sent to 174 students who have completed the research course in the last 3 academic years; 4th, 5th year medical students and interns. One hundred students out of 174 responded to the questionnaires. Overall, students showed “natural” attitudes towards the course (mean 5-point likert scores: 3.32) in Bar chart 1. A significant differences were found between students of 4th and 5th years regarding cooperation of team members to achieve success, the students attendance during course’s lectures. And Between 4th year medical students and interns regarding their attitude toward encouragement to participate in future researches. Communication difficulties between students in 4th 5th and intern student had a mean of 3.32 (Neutral). The percentage, mean and standard deviation of students’ responses to questionnaire testing some knowledge acquired by the course were shown in Table 1. Project difficulties, Overall participants agreed that they faced some difficulties while collecting their data and most of the responses agreed that students faced difficulties in publishing their work. On the statement “The research course interfered with my effort for studying other courses” 40% of the responses were strongly agree and 34% were agree. About time difficulty overall, students showed “agreed” response with (mean 5-point likert scores: 3.32) on the statement “The research course interfered with my effort for studying other”.

**Conclusion:** Overall, students showed “natural” attitudes towards the course (mean 5-point likert scores: 3.32). Mean scores of students were 62.33% on knowledge scale and mean of 3.32 (neutral) on attitude scale. communication difficulties between students had a mean of 3.23 (natural). Overall participants faced some difficulties while collecting their data mean of 3.91 (agree). In the Time difficulty students showed “agree” response with mean 3.50. We recommend universities which have a research course for medical students to readjust research course’s lectures hours to make students have sufficient effort for other courses. And we recommend adding lectures in research course talking about “how to publish a research”, course’s students to get proper SPSS training. Finally we recommend students to choose a topic that can be collected with a sufficient amount of responses.

### Biography

Ibrahim A. Bin Muhainy is a final year medical student at King Saud University, College of Medicine, Saudi Arabia, Riyadh. He took research course one year ago and conducted a research about research knowledge and attitudes among medical students the topic was “Assessment of the student learning outcomes for the research course (CMED 305) from 2011 to 2014 at college of medicine, King Saud University”. He is interested in doing a research, He has an experience in conducting a research. He has three researches on progress in these specialties which are Rihno-plasty, dermatology and Nutrition. He attended many international and local medical conferences. He participated in two camps, which first one was in Primary Health care center in Riyadh the second one was in Riyadh Malls and he was being a leader in some courses in the college and he got an award in one of these leaderships was in Family Medicine Elective in King Khalid University hospital (KKUH) in Saudi Arabia, Riyadh in 2016.

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