



The Effect of The Change of Teaching Methods in Blood Gas Analysis Lesson on Satisfaction in ERC Adult ALS Courses in Turkey

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INTRODUCTION

The methods of adult teaching is a very important and updated topic in European Resuscitation Council's (ERC) education program.

In ERC Adult Advanced Life Support Courses, both lectures and small group discussions are used for learning¹.

Blood Gas Analysis was delivered as a lecture until 2023. It was updated from lecture to small group discussion in the courses.

AIM

The aim of this study is to evaluate the effects of the change in the teaching method of Blood Gas Analysis lesson on satisfaction in the feedback forms in the courses running in Turkey.

METHOD

The feedback forms of the participants from six courses were analysed. In three courses of six, Blood Gas Analysis was delivered as lecture (before the update in 2022) and in the remaining as small group discussion. Total number of participants was 188 (94 participants in each group). Satisfaction with this lesson was rated up to 5. Of these degrees, 1 means "not satisfactory", and 5 means "completely satisfactory".

RESULTS

From the results of the feedback forms, the satisfaction degrees of two groups of the teaching methods for the Blood Gas Analysis lesson were compared as in the table below.

Satisfaction Degree	Lecture Group n=94	Small Group Discussion Group n=94
1	0	0
2	2(2.1%)	3 (3.1%)
3	10(10.6%)	5 (5.3%)
4	28(29.7%)	15(15.9%)
5	54(57.4%)	71(75.5%)

CONCLUSIONS

The rate of satisfaction was found to be **higher** in the small group discussions.

Although both methods have separate advantages, the fact that participants can ask questions more easily in small groups due to the **social structure may be one of the reasons** for this result².

The **effect of cultural characteristics on active learning** is very important, so in our opinion, this study we have done in Turkey is important to assess both the effects of different teaching

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