**ID: 540**

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**Title:** Educational package for increasing cognitive and behavioral skills of physicians about malaria in Baluchestan area, Sistan & Baluchistan, Iran, 2009

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**Abstract:**

Objective: Malaria is one of the three important diseases in the world. More than 3.5 million in Iran are living in malaria endemic areas. 65% of malaria cases in Iran reports from Sistan va Baluchistan province. The physicians are the head of health services in Rural and Urban areas in Iran and have essential role in malaria control. Therefore they are in the tip of capacity building program in this area. This study evaluated an educational package to increase cognitive and behavioral skills of physician about malaria control.

Methods: A before after intervention was conducted in 2009 in Sistan and baluchistan province, Iran. A 62 open questions was developed to assess cognitive skills and the checklists for measuring 13 behavioral skills. Four booklets were designed about different subjects related to malaria; Booklet 1 (malaria vectors, clinical pattern, immunology and physiology and diagnosis), Booklet 2 (Anatomy and physiology of Anopheles, epidemiology malaria), Booklet 3 (Malaria treatment and prevention), Booklet 4 (Malaria Control) and some films and PowerPoint about needed skills. Thirty physicians participated from four districts in province. Paired t-test was done by SPSS to analysis.

Results: The cognitive skills were increased from 28 to 74 significantly after intervention. The behavioral skills were enhanced from 30 to 51 significantly. Physicians Knowledge about different subjects related to malaria in all the booklets increased significantly after the intervention; booklet 1(post-79.2% vs pre-33.3%) and booklet 2(post-86% vs pre-34%) and booklet 3(post-74.8% vs pre-25%) and booklet 4(post-54.4% vs pre-16%).

Conclusion: The results showed an educational package is a simple and economic way to building capacity among physicians who has essential role in malaria elimination program in malaria areas.

**Educational package, malaria, physician**

**Presentation:** Poster