

Title: Implementation of Personalized medicine for military pilot training selection

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Introduction: Personalized medicine provides medical services in various aspects (health, prevention, diagnosis, treatment and care) which are appropriate to each person's genetics. Selecting volunteers as a military pilot requires special medical standards so that the healthiest persons would enter the profession. Training the military pilots implies high cost, and if there is any health problem, financial and other losses would be enormous.

Rationale: Personalized preventive medicine may be used to select healthy and non-problematic volunteers as a military pilot. It can also be prevented by evaluating the risk of a disease by preventing the onset of it, or postponing the disease beginning.

Methodology: The present study is a narrative review based on Internet search using related keywords as personal medicine, prevention, military pilot, and regulations.

Findings: The age of the selection of individuals for military piloting is usually in late second decade of life, and many of the common illnesses are not yet presented at that time, which may develop later. One of the problems that will arise in the future after picking up a military pilot will be those suffering from diseases such as diabetes, hypertension, cardiovascular diseases, etc., which would lead to abandoning or restricting the military pilot in fulfilling the flight requirements. Due to the time and cost of training these persons, they cause financial losses and the loss of specialist skills.

Discussion and Conclusion: The component of prevention in personal medicine and the preparation of genetic profiles of an individual can be used to select healthy volunteers with better physical future, to identify the risk of diseases, and to select people of lower risk. Given the time spent on training and the importance of flying safety, and the preservation of the

lives of the military pilot, the use of personal medical equipment in selecting volunteers for military pilots can be effective in improving work and final conclusions.

Keywords: Personalized medicine, military pilot, prevention, selection.