

## Comparative Analysis of Characterologic Features of Cadets with High Psychomotor Skills Who Study in Polish Air Force Academy

**Authors :** Justyna Skrzyńska, Zdzisław Kobos, Zbigniew Wochoński

**Abstract :** The assessment of characterologic type is an essential element which decides about the proper task performance in the Air Forces. The aim of the research was to specify the percentage distribution of characterologic features by cadets studying particular courses in Polish Air Force Academy with the use of questionnaire. 34 first-year cadets chosen by lot and disunited into aircrafts pilots (N-10), helicopter pilots (N-13) and navigators(N-11) participated in the research. All of the questioned have had their psychomotor education examined in Military Aviation Medicine Institute in Warsaw, Poland. Moreover all of them are characterised by very good fitness. In the research, an anonymous poll(based on Myers-Briggs Type Indicator) appraising cadets' characterologic type has been used. Cadets were provided with the same accommodation and nutrition. The findings have shown that percentage distribution was diversified, however it could be distinctly observed that most of future helicopter pilots (69%) are introverts whereas the majority of aircrafts pilots (70%) and navigators (100%) are extraverts. Moreover, it was also observed that 70% of cadets studying aircrafts pilotage run regular lifestyle and have judging skill according to Myers-Briggs Type Indicator. In future navigators group, 73% of students do not have this characteristic. The research has shown that cadets studying pilotage are more likely to demonstrate the characteristics which are essential for a performance of the important tasks in pilots environment than the cadets studying navigation.

**Keywords :** pilot, Myers-Briggs Type indicator, questionnaire research, cadets, psychomotor education

**Conference Title :** ICSEM 2015 : International Conference on Sport and Exercise Medicine

**Conference Location :** Lisbon, Portugal

**Conference Dates :** April 16-17, 2015