

Title in English: ANALYSIS OF RELATIONSHIP BETWEEN FEET
CONDITION AND BY overweight Footscan
SYSTEM DURING PIM 2006

Objectives: The aim of this study is to make a probe into the population of visitors
Prague International Marathon 2006 (PIM) held
by adidas, which was held from 8 to 13 May 2006 in Prague's Wenceslas
square. The main objective is to determine the relationship between overweight status and vaults
Foot and obviously percentage of individual faults and dysfunctions
feet. Partial goals are using statistics to prove dependency between
measured values of BMI, bioimpedance and the relationship of these values
the frequency of sports interviewees. On the basis of a place
evaluated data to the customer recommended appropriate model shoes
with several alternatives and as feedback received clear output
measurements carried out. The group of people (160 individuals) were not
a representative sample of the population, and therefore the results of this work can not
be easily generalizable.

Method: The measuring device was used Footscan serving to detect
contact pressures and forces of reaction to the load area of the foot during
walking or sweep through the measuring apparatus. It is therefore a dynamic form
Measuring both legs probands. Auxiliary measurements were carried out using
Tanita BIA scales. To obtain personal data in order histories
and nearer profile of the probands were in such numbers
interviewees used to created a questionnaire.

Results: Presented relationship between the state of the plantar arch and overweight.

Keywords: Footscan, foot arch, overweight, bioimpedance, BMI.