

Ergonomics Roundtable of Sacramento presents:

WHEN: February 9, 2010

1:00—3:30 pm

This presentation is centered around the findings of Professor C.J. Snijder from the University Medical Center of Rotterdam, Netherlands. We will present our findings during fundamental and field research of the anatomy and some statistics to make people aware of the gravity of neck, shoulder, arm and hand complaints in modern society as a result of using computer mice. This presentation will address the aspects of anatomy, which have a direct effect on the use of objects handled manually (muscle tonus and Cynderella effect), such as a computer mouse, as well as for example the grip of dentist drill, a screw driver etc.

MORE ABOUT OUR TOPIC...

In 2003 professor C.J. Snijders of the Department of Biomedical Physics and Technology Erasmus MC, University Medical Center Rotterdam, the Netherlands and Paul C. Helder concluded that we should look into the source of complaints which are generally described as RSI.

This in view of complaints by various users including students at the Delft University of Technology, as a result of extensive use of a computer mouse.

Studies within the university environment had indicated that there was something the matter with respect to lifting of hand and fingers above an object, i.e. mouse and that gripping and pinching has an effect on the arterial flow. Both these symptoms could be measured.

In cooperation with the department of anatomy we defined a shape (a saddle for the hand) which was evaluated in the lab and later during field research.

MORE ABOUT OUR SPEAKER...

Paul C. Helder, MBA, BA, BSc

Management of innovation, and involved in various developments which combine mechanical engineering and biotechnology.

Various publications e.g. Europhysics (magazine of CERN), TBV, a Dutch magazine for company and insurance doctors.

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