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Subject:  
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Clinical expert opinion on the Pedikom computerised sole examination and individual orthotic insole system

This individual orthotic insole system is produced by Pedikom Kft (1194 Nagyenyed u. 5) ORKI permit no.: 345/94.

Description of the system:

The essence of the system is the computer aided design of an orthotic insole (CAD).

The system has three basic components: the Podoscope, the computer program (based on which the orthosis is designed) and the individual orthotic insole made using modern materials.

The Podoscope is equipped with a video camera, which records an image of the pressure points of the sole from below. The patient's particulars are digitised together with the image of the impression and stored in the memory. Based on the image stored in the memory, the optimal individual orthotic insole can be designed with the aid of an editing program. The designed insole is then assembled in the workshop. The material and formation of the orthotic insole ensure it is comfortable to wear.

During clinical examinations at the Orthopaedics Out-patient Department of the National Institute of Rheumatology and Physiotherapy patients with varying degrees of foot deformities were directed to the measuring point after examination. After the orthotic insole was made, the patients took part in a check-up. At the check-ups we were convinced of the improvement of the condition of the foot. No contraindication was experienced with the use of the orthotic insole. Due to the modern construction of the orthotic insole, it is particularly suitable for the treatment of patients with rheumatoid arthritis and psoriatic arthritis, and is noteworthy in that through further development the insoles can also meet such special needs as deformations of sportsmen's feet caused by overuse, deformations due to diabetes and unusually positioned ulcerous lesions.

In view of the above, I deem the Pedikom orthotic insole system to be of outstanding significance as a therapeutic aid from a medical point-of-view.

Budapest, 11 February 1997

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head physician  
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