



UNIVERSITY OF
GÖTEBORG

SECOND EUROPEAN CONFERENCE ON BIOMATERIALS



EUROPEAN SOCIETY
FOR BIOMATERIALS

INTERACTIONS BETWEEN MATERIAL AND TISSUE IN ORTHOPAEDIC,
MAXILLOFACIAL, DENTAL AND PLASTIC SURGERY

Review of Progress in Basic Understanding of the Interface

August 27th - 29th 1981

Major topics will include:

1. *Biomechanical events:* Shear, compression, micromotion and tissue response.
2. *Physical processes:* Fragmentation, cell adhesion, absorption, friction. Migration and turn-over of wear particles. Influence of surface roughness and porosity on implant fixation.
3. *Chemical processes:* Corrosion, hydrolysis (polymers, role of enzymes), material degradation, resorption and dissolution, reactions close to implanted electrodes.
4. *Biological processes:* Tissue response, bone and fibrous tissue cell differentiation, vascularization.
5. *General:* Cemented and cement-free implants - long-term clinical function and prognosis. Hard tissue, nerve, tendon and ligament repair and reconstruction.

Time will be reserved for a panel discussion entitled '*Interdisciplinary approach to interface characterization*'.

Oral and poster presentation. No parallel sessions. Limited number of participants (<150). Official language English.

Venue The meeting will be held at the University of Göteborg, Gothenburg, Sweden. Hotel rooms have been reserved at two hotel categories. Prices: 1st class single room around \$ 90/day. Tourist class single room around \$ 50/day. A number of rooms are also reserved at a University dormitory at a price of about \$ 120/week.

Social events A get-together party will be arranged in the evening of August 26th. A boat-tour in the archipelago of Gothenburg has been planned for August 27th. A Congress dinner will take place in the evening of August 28th. All delegates and their guests are wellcome to take part in the social program.

Travel facilities Gothenburg is situated on the Swedish west coast, about 1/2 an hour by air and 4 hours by rail from Copenhagen, Denmark. Direct ferries leave from Germany (Kiel and Travemünde, around 13 hours), from Holland (Amsterdam, around 23 hours), from England (Felixstowe, around 24 hours) and from Denmark (Frederikshavn, around 3 1/2 hours).

Call for papers Offers of papers, giving title, authors and institutions and abstract of no more than 500 words should be sent in 3 copies to Dr T Albrektsson, Lab Exp Biology, Dept of Anatomy, Box 33 031, S-400 33 Gothenburg, Sweden. The latest date for consideration is May 1st 1981. The main concern of the selection committee will be to obtain a coherent program relevant to the theme of the meeting. Accepted papers are invited to be submitted in extended version for rapid publication in the congress proceedings.

Blood compatibility and regulations will be dealt with in two sessions held on August 25th in Copenhagen, Denmark, at the annual conference of the European Society for Artificial Organs, ESAO. These two sessions are jointly sponsored by the ESAO and the ESB and free of charge to people registered for the Gothenburg meeting.

Further information The president of the congress will be Professor Per-Ingvar Brånemark.

A preliminary program and registration form will be sent out in early 1981. Communications concerning the conference should be addressed to Dr Albrektsson, see above. Telephone Sweden (0)31 827704.