ARTIFICIAL ORGANS

STRATHCLYDE BIOENGINEERING SEMINARS

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Proceedings of a seminar on the clinical applications of membrane oxygenators and sorbent-based systems in kidney and liver failure and drug overdose, held at the University of Strathclyde, Glasgow, in August, 1976

Edited by

R. M. KENEDI, J. M. COURTNEY, J. D. S. GAYLOR
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PREFACE

The Strathclyde Bioengineering Seminars are held annually and explore in depth a clinically significant problem area within the research activities of the University of Strathclyde's Bioengineering Unit.

The series, which is a successor to successful broad-spectrum symposia held in 1964 and 1972, opened in August 1975 with consideration of the biomechanics of tissue viability and its clinical applications. The proceedings of this first seminar have been published by The Macmillan Press under the title of *Bed Sore Biomechanics* in July, 1976.

This present seminar, the second in the series, was held in August, 1976 and considered research, development and clinical applications in the areas of membrane oxygenation and sorbent-based systems. The therapeutic role of the latter was explored in kidney and liver failure and drug overdose. There were two hundred and forty-nine participants from Belgium, Canada, England, France, W. Germany, Italy, Israel, the Netherlands, Norway, Scotland, Spain, Sweden and the U.S.A.

The details of the Scientific, Technical and Working Group sessions are given in the Contents List. There was also an Exhibition of Related Medical Engineering Equipment in which 20 firms and organisations participated (see page xxiii).

All the papers presented, together with additional contributions and the discussions are printed complete in this volume, grouped in the six sessions shown in the Contents List.

The organisers acknowledge with gratitude their sense of indebtedness to the City of Glasgow District Council for the very enjoyable civic reception given by them for Seminar participants and guests. The first of the newly instituted *Adam Thomson Lectures* was delivered at this reception by Professor Robert E. Sparks of Washington University, St Louis, USA.

In these difficult economic times the continued support of the Seminar programme by the Greater Glasgow Area Board is particularly appreciated.

Additionally the organisers are very pleased to acknowledge the contributions of AB Gambro; Becton, Dickinson Ltd.; Extracorporeal; I.C.I.; Norit-Clydesdale Co. Ltd.; Organon Teknika Ltd.; Sandev Ltd.; Sandoz Products Ltd., Medical Equipment Division; and Travenol Laboratories Ltd., towards travelling expenses of invited lecturers.

As in previous symposia, banking and travel-agent facilities were made available to participants by courtesy of the Bank of Scotland and Nairn Travel Co. Ltd. and Co.

All the work connected with the seminar was carried out by the staff of the Bioengineering Unit with the unstinted co-operation of the University Administration. The organisers have pleasure in offering for the second year running, and if possible with increased warmth, their best thanks to all concerned.

Glasgow, 1976

R. M. Kenedi

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