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BOOK REVIEWS

Steinhausen, D., K. Langer: *Cluster Analysis. An Introduction to Methods and Applications of Automatic Classification.* Walter de Gruyter, Berlin-New York 1977, 206 pages (in German)

Cluster analysis is a valuable mathematical way of classifying automatically a given set of data into smaller units with certain similarities. It is currently mainly used in economic and social studies, however, there is also a large number of publications applying this method to biological data. The authors have written a concise monograph which enables the mathematically advanced biological researcher to solve classifying problems. People with somewhat limited mathematical abilities will find an easy comprehensible representation of methods and examples of cluster analysis of biological data. Thus improving the communication between the biological researcher and the statistician for a cooperative solution of problems.

Peters, Münster

Sapin, M.R., E.I. Borziak: *Anatomie du système lymphatique de l'homme.* Oran University Press, Oran (Algerie), 1976, 286 pages, 69 figures, in French

A considerable body of valuable and new evidence on the structure and arrangement of the lymphatics in various human organs has been amassed in lymphology since the publication of D.A. Zhdanov's

"General Anatomy and Physiology of Lymphatics" and "Physiology and Pathology of the Lymph Flow" by Ruznyak, Földi and Szabo in 1952 resp. 1957.

Recent years have seen new findings particularly concerning micro- and ultrastructure of lymph capillaries, vessels and nodes.

The monograph by Sapin and Borziak is an attempt to generalize all these present-day concepts on the structure of the lymphatic system of the human body. The authors used material of their own research and quoted various other sources published in the Soviet Union and elsewhere.

The first part treats the general anatomy of the lymphatic system. The authors provide a clear-cut idea of the structure of lymph capillaries which are an important link in the microcirculatory pathways of the organs.

The following section deals with texture and age related changes in lymph nodes. Some of the authors observations are here published for the first time.

The part of the monograph devoted to composition, formation, and movement of lymph outlines theoretical considerations of lymphopoiesis and lymph drainage.

The second half of the monograph is mainly concerned with the specific anatomy of the lymphatics,

e.g. lymphatics of the lower extremities. Inguinal lymph nodes have been divided into three groups rather than four as in classical descriptions. This again are results of recent studies. Also discussed are functional and morphological changes taking place in ovarian and uterine lymph nodes at various age and menstrual cycle periods. The book gives a detailed description of the lymphatics of the stomach with its seven regions of lymphatic drainage. The

anatomy of thoracic duct and right lymphatic duct is also thoroughly covered.

The monograph contains 69 figures mostly schematic drawings. It is based primarily on research by Soviet anatomists and to a great deal by the authors themselves. It is of interest not only for morphologists but also deserves attention of many other specialists engaged in the realm of medicine and biology.

G.S. Satjukova, Moscow

INTERNATIONAL SOCIETY OF LYMPHOLOGY FORTHCOMING CONVENTIONS

Symposium on Tissue Fluid and Peripheral Lymph in Neoplastic Disease

The Norsk Hydro's Institute for Cancer Research Symposium on Tissue Fluid and Peripheral Lymph in Neoplastic Disease will be held at The Norwegian Radium Hospital *Oslo*, Norway, May 8-10, 1978.

Main topics are:

- Capillary transport of immune proteins to the interstitial fluid and lymph.
- Cytostatic drugs, hormones and antibiotics in the interstitial fluid and lymph.
- Migration of leucocytes into the extra lymphoid tissues in normal subjects and patients with malignancies.

For further information please contact:

Arnfinn Engeset, M.D., Laboratory of Hematology and Lymphology, The Norwegian Radium Hospital, Montebello, Oslo 3, Norway.

13th Congress of European Society for Surgical Research

The 13th Congress of European Society for Surgical Research will be held in *Helsinki*, Finland, May 21-24, 1978.

Lymphological investigations especially those concerning surgical pathophysiology and organ transplantation are going to be discussed at that meeting. Members of ISL are cordially invited to participate.

For further information please contact:

Timo Kalima, M.D., Ass. Prof. of Surgery, University of Helsinki, Meilahti Hospital, 00290 Helsinki - Finland.

XII International Cancer Congress

The 12th International Cancer Congress will be held in *Buenos Aires*, Argentina, October 5-11, 1978.

Topics of interest to lymphologists will be dealt with in lectures, multidisciplinary panels and symposia.

For further information please contact:

Dr. Salomon Barg, Secretary General, Casilla Correo 397 - Correo Central, 1000 Buenos Aires - Argentina.

International Congress of Phlebology and Proctology

The International Congress of Phlebology and Proctology will be held in *Essen*, Germany, October 11-14, 1978.

For further information please contact:

Prof. Dr. N. Klüken, Angiologische Abteilung der Hautklinik des Klinikum Essen, Hufelandstr. 55, D 4300 *Essen*, Germany.

4th European Congress of Radiology

The 4th European Congress of Radiology will be held in *Hamburg*, Germany, September 4-8, 1979.

Principal topics will be:

Diagnostic Radiology: organs of the upper abdomen.
Radiotherapy: tumors of the male and female genital systems.

For further information please contact:

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