Moore—Give & Take

The Development of Tissue Transplantation

Every physician, whether personally involved in the development of transplantation or hopefully watching from the wings for broader clinical application, will be caught up in the excitement. Dr. Moore brings to his account. He brightly illuminates this controversial subject—one debated both privately and publicly—in regard to its significance, its propriety and to the ethical points of view as developed at one of America’s leading centers of transplant progress.

The author leads you along the trail of transplantation history. You’ll follow developments in autografts, homografts and heterografts—observe the intricacies involved in unraveling the role of antigens, antibodies and immunity—learn of the early organ grafts with no suppression of immune reaction, then of the era of whole body irradiation and its eventual abandonment, and finally of today’s successes with immunosuppressant drugs.

The heart of the text deals mainly with the most important events and patients in the 250-odd kidney transplants performed in the last decade. Dr. Moore carefully details the case histories of 5 patients—each of whom marked a milestone and crucial turning point in transplantation progress.

Intriguing topics, comments and anecdotes crowd the pages. You’ll find such subjects as: The recognition by the immune system of its own proteins as harmless—A tale of blood cell chimerism—The “second set” response—The dilemma of tissue and organ donation, both ethical and legal—The question as to whether all tissue is created equal.

The reader who can put this volume down before finishing it will be a rare one indeed. But when he does put it down, he will have sound information to pass on if called upon to comment about the state of tissue transplantation at this time.

By Francis D. Moore, M.D., Mosely Professor of Surgery, Harvard Medical School; Surgeon-in-Chief, Peter Bent Brigham Hospital, Boston, Massachusetts. 182 pages, 5½ x 8½”, illustrated. $5.50.

VIRUSES
NUCLEIC ACIDS
AND CANCER


The facts, ideas, theories and discussions of 78 internationally known cancer researchers, converging upon the solution of the human cancer problem, make this book a relatively complete picture of all now known in the field. The viral concept of oncogenesis, applied to human cancer, is still only a working hypothesis. Many basic and unanswered questions block access to an ultimate solution. Reports of recent work are given here, and partial answers supplied to some of the problems cancer researchers are focusing on today.

Published for The University of Texas M. D. Anderson Hospital and Tumor Institute. Edited by Russell W. Cumley, Ph.D., University of Texas Medical Center, Houston.

1963 704 pp., 288 figs. $16.00

W. B. SAUNDERS COMPANY
West Washington Square, Philadelphia 5, Pa.

Please send and bill me: Moore—Give and Take—$5.50.

Name ____________________________
Address ____________________________

THE WILLIAMS & WILKINS COMPANY
420 E. PRESTON STREET/BALTIMORE, MARYLAND, U.S.A. 21202
WASHED, POOLED ANIMAL BLOOD CELL SUSPENSIONS
10% sheep, rabbit or ox cells
STERILE ANIMAL BLOOD
sheep—citrated, Alsevers or defibrinated
horse—defibrinated
rabbit—Alsevers or defibrinated

the clear supernatant tells the story

B-B-L Washed, Pooled Animal Blood Cell Suspensions characteristically show a supernatant that is crystal clear. Freedom from hemolysis is visible evidence of thoroughness of washing and constant isotonicity—the result of the exclusive B-B-L process that insures cell suspensions of unique stability, purity, and uniformity. These longer-lasting suspensions avoid waste and save the laboratorian time-consuming, tedious and expensive small-volume cell preparation. Stock cell concentrates are easily diluted to any of the usual working suspensions—a further economy.

All B-B-L Animal Blood Products are freshly collected from healthy animals, promptly processed, and completely tested prior to shipment.

Products of B-D LABORATORIES are available through your local distributor. Further information on request.

B-D LABORATORIES, INC., RUTHERFORD, NEW JERSEY

In Canada: Becton, Dickinson & Co., Canada, Ltd., Toronto 10, Ontario Overseas: Becton, Dickinson & Co., S.A., P.O. Box 1173, Colon, Free Zone, Panama

B-D, B-B-L, FALCON AND SEPCO ARE TRADEMARKS
The age-old dream—to replace a worn-out organ with a new one—now approaches reality in this monograph. The clinical need is great: renal disease is extremely common, crippling, and occurs in both young and old.

Successful renal transplants are already on record. But it is clear that much more work needs to be done, and is being done. Experimental surgeons, immunologists, irradiation biologists and a host of other workers in the life sciences are building up a vast literature in their search for a really satisfactory procedure.

Dr. Calne (whose researches in dog-kidney transplants have uncovered one of the more promising leads) presents in this monograph a clear, thorough review and evaluation of both the clinical and experimental work available on the subject.

Dr. Joseph E. Murray, Associate Editor of the journal TRANSPLANTATION says in the foreword: "Mr. Calne is admirably suited to undertake this timely monograph...a surgeon by discipline and training, and an imaginative investigator and careful worker...[his] extensive experimental background and clinical orientation makes his contribution a worthy and valid guide for well selected, judicious, conservative trials of human kidney transplants with a full regard for the hazards and hopes based on our present state of knowledge."

1,237,175 counts a year in the San Francisco area

12,000 counts a year in the Minot, North Dakota area

large and small volume users rely on COULTER COUNTER®
red and white cell counts

Interestingly, small hospitals buy Coulter Counters. Primary reason: this is the only means of attaining accurate, reliable, blood counts, and because technician hours are frequently unobtainable.

Generous time payment terms are available.
Write or call:

COULTER ELECTRONICS, INC.
590 West 20th Street / Hialeah, Florida / area code 305 887-8131 Patented throughout the world
SIGNIFICANT ADVANCE IN SMALLPOX CONTROL

The first instance of successful prophylaxis of a virus disease by a synthetic chemical agent was reported recently by Bauer et. al. (1) (2).

MIBT N Methyl Isatin Beta Thiosemicarbazone was shown to be very effective protection for smallpox contacts regardless of vaccination status. In contacts who had primary vaccination, MIBT was more effective than revaccination in suppressing contact cases. It was also effective when contact was not detected in time for revaccination to offer protection.

Treatment of contacts began one day after admission as patients. They were observed for 16 days. During this time, only three mild cases of smallpox occurred among 1101 treated patients. Among a control group of 1126 untreated contacts, 78 cases of smallpox and 12 deaths occurred.

MIBT gave better results than were obtained with antivaccinal gamma globulin. And it can be made readily available and administered orally, thus simplifying administration to large groups.

Thompson, et. al. described antiviral activity of Isatin Beta Thiosemicarbazone in mice infected with vaccinia virus (3). Easterbrook reported inhibition of infectious virus with IBT (1962) which resulted in immediate cessation of virus maturation and production. He suggested that IBT interfered with the process of maturation (3).

PHONE COLLECT, 216-662-0212.
NUTRITIONAL BIOCHEMICALS CORP. GUARANTEES SHIPMENT ON ANY OF OUR MORE THAN 3,000 RESEARCH BIOCHEMICALS WITHIN 60 MINUTES OF YOUR CALL. ONE DAY DELIVERY ANYWHERE IN CONTINENTAL U.S.A.

PRICE SCHEDULES:

<table>
<thead>
<tr>
<th></th>
<th>N Methyl Isatin Beta Thiosemicarbazone</th>
<th>Isatin Beta Thiosemicarbazone</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 grams</td>
<td>gm. $1.80</td>
<td>gm. $1.50</td>
</tr>
<tr>
<td>25 grams</td>
<td>gm. 1.95</td>
<td>gm. 1.90</td>
</tr>
<tr>
<td>5 grams</td>
<td>gm. 2.00</td>
<td>gm. 2.25</td>
</tr>
<tr>
<td>1 gram</td>
<td>gm. 2.35</td>
<td></td>
</tr>
</tbody>
</table>

References:


THE LITERATURE REFERENCES SHOULD NOT BE INTERPRETED AS EITHER AN ENDORSEMENT OR DISAPPROVAL OF THE BIOCHEMICAL BY THE CITED INVESTIGATOR.

NUTRITIONAL BIOCHEMICALS CORPORATION
21010 Miles Avenue • Cleveland, Ohio 44128
Send for free August 1964 catalog containing more than 3,000 items. Fill out coupon and mail today for your copy.

Name ____________________________
Organization ______________________
Address __________________________
City ______________________________
State _____________________________ Zip No. __________