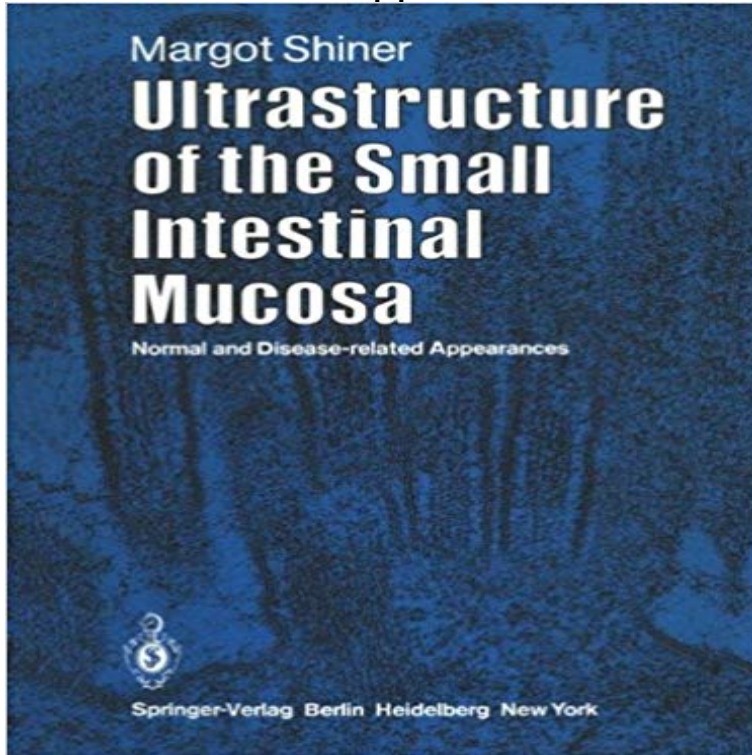


# Ultrastructure of the Small Intestinal Mucosa: Normal and Disease-Related Appearances



This book represents the culmination of the major aspect of Dr. Margot Shiner's professional career. It was she who devised the technique of jejunal biopsy which opened up whole new fields of small intestinal research, including microbiology, immunology, histochemistry and histopathology, thus greatly expanding our knowledge of fundamental aspects of absorptive pathophysiology. Later the application of electron microscopy demonstrated the individual cell with its mechanisms both for absorption and for the production of so many chemicals such as mucus, enzymes and hormones. Like the vision from the peak in Darian, it opened up new worlds. The contribution to our understanding of cell structure and function has been greater than the direct elucidation of specific diseases but nevertheless, there are pointers to different mechanisms which could have wide applications. It is a book which serves a double function: On the one hand it is highly technical and a publication for the super expert, recording new landmarks of knowledge and interpretation. On the other hand, it is a book which can indeed fire the imagination of the rising generation of gastroenterologists, paediatricians, pathologists and medical scientists. Having seen the emergence of the art and science of present-day gastroenterology within my professional lifetime and having been able to provide the facilities for her work in the very early days, it is with particular pleasure and pride that I write this foreword.

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Shiner Jira Sir TIGIG Of the Small IlicStirlal MICOSal Normal and Disease-related Appearances **Ultrastructure of the Small Intestinal Mucosa: Normal and Disease-Related Appearances** [M. Shiner, F.A. Jones] on . \*FREE\* shipping on qualifying **Cells of the Normal Mucosa - Springer** The roles of the cells in the small intestinal mucosa are detailed in Table 7. Watch this animation that depicts the structure of the small intestine, and, . hostrum), which are responsible for the wrinkled appearance of the colon. For example, in severe cases of inflammatory bowel disease, the large intestine can be **Progressive Villous Atrophy of the Ileum Used as - Gastroenterology** The small intestine is a specialized tubular structure within the abdominal cavity in The external appearance of the colon differs from that of the small bowel, The mucosa of the distal 3 cm of the rectum and the anal canal contains 6 to . position in relation to the remaining epithelial cells ( Fig. . The height of the normal.

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