

## Preface

Histology is a basic and important course for undergraduate medical students in specialties of Basic Medicine, Clinic Medicine, Oral Medicine, Preventive Medicine, Forensic medicine, Nursing, and Pharmacy, etc. The Histology labs mainly include a series of confirmatory experiments. In order to help students thoroughly understand and master the basic and corresponding theories and experiment skills, the whole procedures of tissue sample preparation, structures and applications of regular light microscope and how to take photomicrography are introduced. Based on the local teaching circumstances equipped with the MOTIC lab system, the lab requirements, review and corresponding extensive questions or clinic PBL cases for each experiment are also listed. Unless specified, all the tissue samples are paraffin-embedded and cut into 6–8  $\mu\text{m}$  thick slices with microtome. Hopefully the information of electronic microscope images will be added in textbook and MOTIC lab system in the near future.

The main purpose of this textbook is to provide suitable lab guidance for English-speaking students, so that to improve teaching and studying processes. This textbook can be used as reference for research purpose.

Due to the limited compiling time, there must be shortcomings in the textbook. Any suggestions and corrections are warmly welcomed.

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March, 2020