

PHYSIOLOGY.

BY

GEORGE WILKINS, M.D., M.R.C.S., ENG.

These lectures will be devoted to the consideration of the structure, composition and properties of the several Fluids, TISSUES, and Organs of the body ; the natural changes through which they pass ; and the functions they discharge.

Demonstrations will frequently be given during the course in the Physiological Laboratory of the College, demonstrating, where practicable, the properties and functions of the various tissues and organs such as the properties of contractile tissues.

TETANUS.—The natural electric currents of muscle and nerve, the rapidity of transmission of nervous influence.

REFLEX ACTION.—The functions of the sympathetic, the pneumogastric and various other nerves ; their influence on the circulation and respiration.

Some of the motor functions of the cerebral convolutions will be shown, also the action of many poisons, such as strychnine, atropine, curare, muscarin.

All animals experimented upon will be rendered insensible by means of anæsthetics previously administered. The apparatus used was specially made for this Laboratory in England, France and Germany, and is constantly being supplemented with the most improved forms. Microscopes and Microscopic Specimens will be freely used, illustrating the various subjects treated of.

One day each week will be devoted exclusively to general Pathology.

Every day except Saturday at 5 P.M.

Text Book—Foster's Physiology (American reprint).

PRACTICAL HISTOLOGY.

This will embrace a course of twenty-five demonstrations by Dr. Wilkins, on Microscopic Anatomy, Physiology and Pathology.

Students will be shown the different methods of hardening and softening, of staining and injecting the tissues for microscopical investigation, etc.

Each student will be provided with a microscope and material for preparation, and shown how to make sections, how to mount and preserve the specimens, etc.

Every Saturday, from 4 to 6.