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Falconar (m)

A

SYLLABUS

OF A

COURSE of LECTURES

ON

PHYSIOLOGY,

BY

MAGNUS FALCONAR,

SURGEON, AND TEACHER OF ANATOMY.

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SYLLABUS, &c.

LECT.

I. AN introduction to the ſtudy of Phyſiology, with the hiſtory of its riſe and progreſs from the earlieſt period to the preſent time; comprehending a general view of the compoſition of an animal machine.

II. A general account of the fluids contained in the animal body. On the compoſition and properties of the different parts of the blood. On the ſize and figure of the red particles of the blood in the human ſubject and other animals, with obſervations on its morbid appearances.

III. A general deſcription of the ſolids. On the inorganic fibre, the ſtructure and office of the cellular membrane and adipoſe membrane.

IV. On the other ſpecies of ſolids, as the ligamentous, the tendinous, the nervous, and the muſcular fibre; with an explanation of the doctrines of ſenſibility and irritability.

V. On the ſtructure and office of the vaſcular ſyſtem, and particularly of the arteries. On the circulation of the blood, and on the doctrine of the pulſes.

VI. On the ſtructure and office of the veins. On the difference between arterial and venous blood, with remarks on ſome of the diſeaſes of the vaſcular ſyſtem.

VII. On the ſtructure and office of the lymphatic ſyſtem, the hiſtory of its diſcovery, with an exhibition of the lymphatic veſſels in the human ſubject and in other animals.

VIII. On glands and ſecretions in general.

IX. On the different claſſes of glands, their peculiarities explained, and their minute ſtructure demonſtrated.

X. On the appendages to glands, with an account of the manner in which glands perform their offices.

XI. On the properties of the lymph and interſticial fluid, with an inquiry into the doctrine of tranſudation, obſervations on inflammation, ſuppuration, and its conſequences.

XII. On the ſtructure of bone, periofteum and marrow.

XIII. On the manner in which bones are formed and reunited

XIV. A general view of the ſkeleton, the connexion, compoſition and uſes of its ſeveral bones explained, with remarks on the joints, the different motions of the limbs, and the muſcles that move them.

XV. On the abdominal and thoracic viſcera, with remarks on reſpiration.

XVI. On the ſtructure and offices of the liver and pancreas.

XVII. On the ſtructure of the æſophagus and ſtomach.

XVIII. On the ſtructure of the inteſtinal tube.

XIX. An enquiry into the functions of the chylopoetic viſcera, and on the theory of digeſtion.

XX. On the ſtructure and office of the ſpleen, thymus and lymphatic glands, with an enquiry into the formation and compoſition of the red particles of the blood.

XXI. On the ſtructure of the heart and lungs.

XXII. On the phyſiology of the heart and lungs, with an enquiry into the circulation of the blood, and the hiſtory of its diſcovery.

XXIII. On the ſtructure of the glandulæ renales and kidnies, with remarks on the ſecretion of urine.

XXIV. On the ſtructure of the brain, ſpinal marrow and nerves.

XXV, On the phyſiology of the brain and nerves.

XXVI. On the ſtructure of the integuments of the body. On the organ of touch, with remarks on perſpiration.

XXVII. On the ſtructure of the parts ſubſervient to the eye, and on the coats and humours of the eye ball.

XXVIII. On the theory of viſion with remarks on ſome of the diſeaſes of the eye.

XXIX. On the ſtructure of the noſe and tongue, with remarks on the ſenſes of the ſmell and taſte.

XXX. On the organ of the voice, and on the ſtructure of the external ear.

XXXI. On the ſtructure of the internal ear, and the theory of hearing, with remarks on ſome of the diſeaſes of the ears.

XXXII. On the ſtructure of the male organs of generation.

XXXIII. On the ſtructure of the parts ſubſervient to generation in the female.

XXXIV. On the ſtructure of the uterus with the change produced by pregnancy, the ſtructure of the ſecundines, with an inquiry into the connection of the fœtus with the mother.

XXXV. On the peculiarities in the ſtructure of the fœtus, and the progreſs of uterine geſtation. On the ſtructure of the breaſt, the ſecretion of milk; the catamenia, and the theory of generation.

Comparative Anatomy.

XXXVI. On the ſtructure of quadrupeds.

XXXVII. On the ſtructure of birds.

XXXVIII. On reptiles.

XXXIX. On the ſtructure of fiſh.

XL. On inſects.

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