

# A Manual Of Practical Normal Histology 1887

Methylene blue is typically given by injection into a vein. Common side effects include headache, nausea, and vomiting.

Dextroamphetamine

*neurotoxicity of AMPH and METH, it is quite clear that hyperthermia is one of the essential components necessary for the production of histological signs of dopamine*

Dextroamphetamine is a potent central nervous system (CNS) stimulant and enantiomer of amphetamine that is used in the treatment of attention deficit hyperactivity disorder (ADHD) and narcolepsy. It is also used illicitly to enhance cognitive and athletic performance, and recreationally as an aphrodisiac and euphoriant. Dextroamphetamine is generally regarded as the prototypical stimulant.

Brucellosis

*2-mercaptoethanol assay for IgM antibodies associated with chronic disease Histologic evidence of granulomatous hepatitis on hepatic biopsy Radiologic alterations*

Brucellosis is a zoonosis spread primarily via ingestion of unpasteurized milk from infected animals. It is also known as undulant fever, Malta fever, and Mediterranean fever.

Rhinoplasty

*incidence of histologic rejection and medical complications. The human nose is a sensory organ that is structurally composed of three types of tissue: (i)*

Rhinoplasty, from Ancient Greek ??? (rhís), meaning "nose", and ??????? (plastós), meaning "moulded", commonly called nose job, medically called nasal reconstruction, is a plastic surgery procedure for altering and reconstructing the nose. There are two types of plastic surgery used – reconstructive surgery that restores the form and functions of the nose and cosmetic surgery that changes the appearance of the nose. Reconstructive surgery seeks to resolve nasal injuries caused by various traumas including blunt, and penetrating trauma and trauma caused by blast injury. Reconstructive surgery can also treat birth defects, breathing problems, and failed primary rhinoplasties. Rhinoplasty may remove a bump, narrow nostril width, change the angle between the nose and the mouth, or address injuries...

Rudolf Virchow

*based upon physiological and pathological histology, 20 lectures delivered in the Pathological Institute of Berlin, during Feb. Mar. and Apr. 1858.*  
New

Rudolf Ludwig Carl Virchow ( VEER-koh, FEER-koh; German: [??u?d?lf ?v??ço, - ?f??ço]; 13 October 1821 – 5 September 1902) was a German physician, anthropologist, pathologist, prehistorian, biologist, writer, editor, and politician. He is known as "the father of modern pathology" and as the founder of social medicine, and to his colleagues, the "Pope of medicine".

Lister's contributions were four-fold. Firstly, as a surgeon at the Glasgow Royal Infirmary, he introduced carbolic acid (modern-day phenol) as a steriliser for surgical instruments, patients' skins, sutures, surgeons' hands, and wards, promoting the principle of antiseptics. Secondly, he researched the role...

Sexological, medical, and psychological debate has focused on the clitoris, and it has been subject to social constructionist analyses and studies. Such discussions range from anatomical accuracy, gender inequality, female genital mutilation, and orgasmic factors and their physiological explanation for the G-spot. The only known purpose...

Clitoris

*the histological evaluation of the clitoris, "especially of the corpora cavernosa, is incomplete because for many years the clitoris was considered a rudimentary*

In amniotes, the clitoris ( KLIT-?r-iss or klih-TOR-iss; pl.: clitorises or clitorides) is a female sex organ. In humans, it is the vulva's most erogenous area and generally the primary anatomical source of female sexual pleasure. The clitoris is a complex structure, and its size and sensitivity can vary. The visible portion, the glans, of the clitoris is typically roughly the size and shape of a pea and is estimated to have at least 8,000 nerve endings.

Microtomes use steel, glass or diamond blades depending upon the specimen being sliced and the desired thickness of the sections being cut. Steel blades are used to prepare histological sections of animal or plant tissues for light microscopy. Glass knives are used to slice sections for light microscopy and to slice very thin sections for electron microscopy. Industrial grade diamond knives are used to slice hard materials such as...

### Amphetamine

*in the form of its inactive prodrug lisdexamfetamine. Amphetamine was discovered as a chemical in 1887 by Laz?r Edeleanu, and then as a drug in the late*

Amphetamine is a central nervous system (CNS) stimulant that is used in the treatment of attention deficit hyperactivity disorder (ADHD), narcolepsy, and obesity; it is also used to treat binge eating disorder in the form of its inactive prodrug lisdexamfetamine. Amphetamine was discovered as a chemical in 1887 by Laz?r Edeleanu, and then as a drug in the late 1920s. It exists as two enantiomers: levoamphetamine and dextroamphetamine.

Amphetamine properly refers to a specific chemical, the racemic free base, which is equal parts of the two enantiomers in their pure amine forms. The term is frequently used informally to refer to any combination of the enantiomers, or to either of them alone. Historically, it has been used to treat nasal congestion and depression. Amphetamine is also used as...

Virchow studied medicine at the Friedrich Wilhelm University under Johannes Peter Müller. While working at the Charité hospital, his investigation of the 1847–1848 typhus epidemic in Upper Silesia laid the foundation for public health in Germany, and paved his political and social careers. From it, he coined a well known aphorism: "Medicine is a social science, and politics is nothing else but medicine on a large scale". His participation...

### Joseph Lister

*secondary aberration known as a coma, which interfered with normal use. It was considered a major advance that elevated histology into an independent science*

Joseph Lister, 1st Baron Lister, (5 April 1827 – 10 February 1912) was a British surgeon, medical scientist, experimental pathologist and pioneer of antiseptic surgery and preventive healthcare. Joseph Lister revolutionised the craft of surgery in the same manner that John Hunter revolutionised the science of surgery.

The bacteria causing this disease, Brucella, are small, Gram-negative, nonmotile, nonspore-forming, rod-shaped (coccobacilli) bacteria. They function as facultative intracellular parasites, causing chronic disease, which usually persists for life. Four species infect humans: *B. abortus*, *B. canis*, *B. melitensis*, and *B. suis*. *B. abortus* is less virulent than *B. melitensis* and is primarily a disease of cattle. *B. canis* affects dogs. *B. melitensis* is the most virulent and invasive species; it usually infects goats and occasionally sheep. *B. suis* is of intermediate virulence and chiefly infects pigs. Symptoms include profuse...

The amphetamine molecule exists as two enantiomers, levoamphetamine and dextroamphetamine. Dextroamphetamine is the dextrorotatory, or 'right-handed', enantiomer and exhibits more pronounced effects on the central nervous system than levoamphetamine. Pharmaceutical dextroamphetamine sulfate is available as both a brand name and generic drug in a variety of dosage forms. Dextroamphetamine is sometimes prescribed...

Methylene blue

*and Lewis practical haematology (10th ed.). Philadelphia, PA: Churchill Livingstone/Elsevier. p. 61. ISBN 978-0-443-06660-3. Ehrlich P (1887). "Ueber die*

Methylthioninium chloride, commonly called methylene blue, is a salt used as a dye and as a medication. As a medication, it is mainly used to treat methemoglobinemia. It has previously been used for treating cyanide poisoning and urinary tract infections, but this use is no longer recommended.

Franklin P. Mall

*curricula to include histology, histogenesis, and embryology. The collective research spearheaded by Mall and his coworkers at the Department of Anatomy demonstrated*

Franklin Paine Mall (September 28, 1862 – November 17, 1917) was an American anatomist and pathologist known for his research and literature in the fields of anatomy and embryology. Mall was granted a fellowship for the Department of Pathology at the Johns Hopkins University and after positions at other universities, later returned to be the head of the first Anatomy Department at the Johns Hopkins School of Medicine. There, he reformed the field of anatomy and its educational curriculum. Mall was the founder and the first chief of the Department of Embryology at the Carnegie Institution for Science. He later donated his collection of human embryos that he started as a postgraduate student to the Carnegie Institution for Science. He was an elected member of the American Academy of Arts and...

From a technical viewpoint, Lister was not an exceptional surgeon, but his research into bacteriology and infection in wounds revolutionised surgery throughout the world.

Methylene blue was first prepared in 1876, by Heinrich Caro. It is on the World Health Organization's List of Essential Medicines.

#### Microtome

*Histotechnik. Praxislehrbuch für die Biomedizinische Analytik. (Histology : practical textbook for analytical biomedicine). Springer, Wien/New York.*

A microtome (from the Greek mikros, meaning "small", and temnein, meaning "to cut") is a cutting tool used to produce extremely thin slices of material known as sections, with the process being termed microsectioning. Important in science, microtomes are used in microscopy for the preparation of samples for observation under transmitted light or electron radiation.

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