Article published on February 10th 2012 | Health

Binocular surgical microscope has been designed to enable the surgeon to see clearly the minute details of each step of the operation and to assist in forming his diagnosis. It is of great value to physiologists, pharmacologists, and those interested in experimental surgery. A binocular microscope used for delicate surgery.

A Binocular Surgical Microscope used to seeing the fine structures within the area of a surgical procedure. The binocular head of the microscope is straight without any angle. Also, the focal length is usually different. The surgeon is seated at the top of the patient's head. Surgery is enhanced by the precise visualization, magnification, and illumination provided by a binocular surgical microscope. Binocular surgical microscopy is coupled with fluoroscopic monitoring to obtain direct visualization of the surgical field.

An instrument for performing delicate surgery on man is provided with a continuous wave laser source specially associated with a Binocular Surgical Microscope. Eye surgery is performed by ophthalmologists. The ophthalmic microscope is typically with a binocular head that is angled.

Surgical Microscope provides brilliant focus with built in manual 5 step changer for continuous adjustment. The binocular head of this microscope is on a 45 degree angle. The surgical operating microscope has a feature allowing fast changeover to new bulb (15V/150W halogen) during surgery if the bulb blows. The microscopeâ€™s arm is flexible and can easily be moved out of the working area. The microscope also comes with a built-in Cobalt Blue, Red Free, Heat Absorbing filter that can be selected by turning a knob. It helps in operating critical problems of surgery.

The most controlled and least painful means of cleaning impacted wax or dead skin from the ear canal is by using a binocular surgical microscope, which frees the examiner's hands to instrument the ear and provides the magnification and depth perception needed to avoid traumatizing the delicate canal skin and eardrum. Binocular Microscope for medical lab work that requires magnification with achromatic objectives .

Otoscopy using a binocular microscope (referred to as otomicroscopy) represents a serious upgrade for hearing care professionals who are committed to providing superior cerumen management and hearing aid services. A Binocular microscope is better than other models as it keeps your eyes from becoming tired from using just one eye at a time as some other models will have you do. Surgical microscopes are stereoscopic vision and has the characteristic for the user to adjust the level of magnification.

Article Source:
http://www.articleside.com/health-articles/binocular-surgical-microscope.htm - Article Side

Microscope - About Author:
Thanks for reading my article on the subject of a Binocular Surgical Microscope. If you enjoy reading my article on the subject a Binocular Surgical Microscope please give your valuable comments.

Article Keywords:
binocular surgical microscope

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!