

# LIXI IMAGING SCOPE

**Y**ou regularly use instruments that help you see clearer, hear louder, and feel deeper. The practice of medicine is indeed, a matter of sensory perceptions. Here is the ultimate in perception - The LIXI Imaging Scope, a hand-held x-ray imaging device to help you while you examine or operate... not just before or after, as with conventional x-ray., but during ... and in real-time just like your eyes see it. The LIXI Imaging Scope offers you the advantages of fluoroscopy, but in a lightweight, hand-held device. Also, the radiation scatter is much less than conventional x-ray techniques.

Consider the applications of your new ability to see through human tissue. In the emergency room, you can locate a foreign object as thin as a needle or as hard to detect as glass. You can make a small incision exactly where you need to and exactly how much you need to. In certain situations, you may be able to distinguish a sprain from a hairline crack, and a hairline from a fracture. You may still require x-rays, but with the instant imaging of The Lixi Imaging Scope you would know more about the condition immediately.

Think of all the portable, personal instruments you use everyday and their larger counterparts- a cardiac stethoscope vs. cardiac categorization, a tuning fork to screen for hearing disorder vs. an auditory evoke response test. a glucose dextrostix vs. a blood glucose test done in a lab. The portable devices do not replace their larger more complete counterparts. But you rely on them everyday because they are quick, convenient and help you understand a condition right immediately. Think of The LIXI Imaging Scope as such an investment.



Physicians and surgeons currently using the Lixi imaging scope all agree that the advantages of a hand-held x-ray imaging device are numerous.

*"If I put in a pin (in a patient's hand), I can use the Lixi Imaging Scope and in three seconds see exactly where it is in the bone."*

*"Lixi Imaging scope helps in the cases of referred pain. It is possible to locate the actual source of pain and order x-rays for just the right area."*

*" I like best the convenience of seeing immediate results."*

*"Time efficient- decreases surgical time and improves surgical technique."*

## SPECIFICATIONS:

- 50mm field of view
- Direct view capability
- Optional vision enhancement system

## PRODUCT OVERVIEW





**ATTRIBUTES:**

- Portable
- Easy to use
- Safe



For hand or foot treatment, The Lixi imaging scope becomes a very convenient instrument. these smaller parts of the body are easily placed in the screening area of The Lixi Imaging Scope.



In the operating room, you can use The Lixi Imaging Scope with a video attachment to insert wires and screws. Then use it later to see the post operative healing process or monitor the function of reconstructed joints.

In neo-natal and pediatrics medicine, you can keep x-ray exposure to the patient at an absolute minimum by using the Lixi Imaging Scope whenever possible.



The applications of a The Lixi Imaging Scope are endless. In a short time, it becomes an indispensable personal instrument- just like stethoscope is today, or your ophthalmoscope, otoscope, or any of the other instruments you depend on everyday.

**Extremely low - level radiation**

The radiation exposure from The LIXI Imaging Scope is so low that the operator need not use lead aprons or other shielding devices. Also, patient exposure is lower than with conventional X-ray when the device is used properly. To offer a comparison with conventional x-ray, in a typical hand x-ray, the patient absorbs 84 mR\*. During a one minute examination with The LIXI Imaging Scope, the patient would absorb less than 19 mR \*\* - or 77% less.

The inherent safety of the low-radiation isotope used in The LIXI Imaging Scope is coupled with the safe design of the instrument itself. The operator being on the opposite end of the isotope, is sufficiently removed from the radiation source and avoids any direct exposure. The operational safety of The LIXI Imaging Scope makes it a truly spontaneous, instantly usable viewing instrument.

\* Handbook of Radiation Doses in Nuclear medicine and Diagnostic X-ray

\*\* 4inch Source to detector model with 200 mCi Iodine-125 source

Full assistance In Staff Training And Completion Of Licensing Formalities. Since The LIXI Imaging Scope, unlike most x-ray machines, employs radioactive materials, LIXI , Inc. has gone to great lengths to assure full compliance with safety guidelines of regulatory agencies. Based upon our extensive research of licensing requirements, we can advise you on how to obtain a license if you are not licensed already. All NRC Broad Licensed and Group VI licensed institutions can obtain a The LIXI imaging Scope without additional training or licensing ammendments. LIXI Inc. also trains the users in the safe and proper operation of The LIXI Imaging Scope. Operating a LIXI Imaging System is easy to learn, A comprehensive operator's manual is provided with each system for future reference.



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