

# The World Health Imaging System for Radiography - WHIS-RAD: Simply perfect

## **What is WHIS-RAD?**

The World Health Imaging System for Radiography, WHIS-RAD, is a general purpose X-ray equipment built in accordance with specifications developed by the World Health Organization with humanity's needs at heart, the best expertise at hand, and with hospital budgets in mind.



## **Why WHIS-RAD?**

- *Superb image quality*
- *Highest possible radiation safety*
- *Reliable under most difficult conditions*
- *Can be operated on batteries, capacitors and solar cells*
- *Simple maintenance*
- *Versatile*
- *Cheaper than conventional equipment*



## **Where to install a WHIS-RAD unit?**

A WHIS-RAD unit is a perfect choice for a small hospital - and a very smart addition for any large radiography department that wants superb image quality at a sensible price.

## **WHIS-RAD - range of use**

From head to toe, from infants to heavy-weight wrestlers, the WHIS-RAD unit can handle all conventional X-ray work at a primary health care clinic, at least 90% at a district hospital, and some 80% at a large university hospital - anywhere in the world.

## **WHIS-RAD in the future**

Although a final stage of development has been reached, ongoing research indicates that a *digital* version of the WHIS-RAD System may become available in a relatively near future, enabling countries ready for electronic solutions to have all the WHIS-RAD advantages also in such settings.

## **WHIS-RAD package**

A new series of manuals covering technical, including radiation protection aspects as well as medical and diagnostic issues have been developed by WHO and are delivered with each unit. These manuals offer continuing education and training to anybody, be it physicians, radiologists, radiographers, or nurses, working in the area of diagnostic imaging in order to improve quality and safety of their work.



## **WHIS-RAD: Simple maintenance**

The unique rugged design of the WHIS-RAD unit has simply eliminated many of the components which are hard to maintain. Apart from the X-ray tube, X-ray generator, and light beam collimator, all moving parts are non-electrical and thus easily maintained.



WORLD HEALTH ORGANIZATION  
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# WHIS-RAD

## *High-tech sophistication in a marvel of simplicity*

### **What is so special?**

The WHIS-RAD unit is one of the most sophisticated, yet simple to operate X-ray unit ever manufactured. It combines the functions of a bucky table and a vertical bucky. The apparatus consists of a high quality multipulse X-ray generator with an X-ray tube, mounted on a unique tube stand with a high quality focused anti-scatter grid - all linked together in a sophisticated manner to produce an optimum, and deceptively simple, X-ray unit.

### **What about image quality?**



The image quality of the WHIS-RAD unit is often superior to that achieved using other X-ray installations. Tested in university-affiliated outpatient clinics in Sweden and in a large hospital in London, the WHIS-RAD unit competes - and excels - in the same class as much more expensive and complex equipment.



*(From the WHO Collaborating Centre, Lund, Sweden)*

### **What about radiation safety?**

The WHIS-RAD is an exceptionally safe unit for patients and operators alike. The advanced design of the generator makes it possible to X-ray patients with about half the radiation dose received using common single-phase X-ray generators. Other features that make for greater safety include a long focus-film distance and the high quality focused grid with exact centering. Altogether, the WHIS-RAD unit makes it easier to comply with national and international guidelines and recommendations.

### **Versatility**

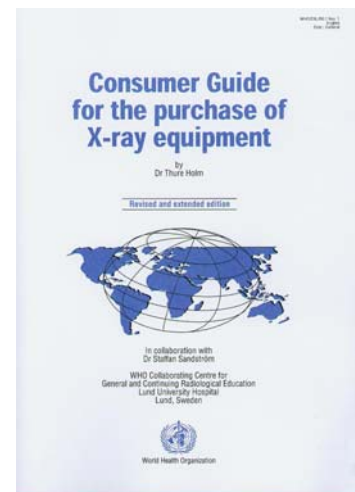
The WHIS-RAD unit has been designed to meet the needs of small hospitals and clinics - anywhere. Of course, it can also work equally well doing the routine X-ray examinations in big hospitals - anywhere. In small hospitals, all of the required X-ray examinations are easily handled by the WHIS-RAD unit. In a large hospital, the WHIS-RAD unit is excellent for routine radiography of the chest, legs and arms, abdomen, spine, and skull. By investing in a WHIS-RAD unit for routine work, hospitals can liberate precious funds for the purchase of more complex equipment for specialized examinations.

### **For more information,**

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For detailed technical information on the WHIS-RAD System, please, request a free copy of the below publication!



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