



DOW 85 ALUMINI FOUNDATION

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Please donate generously to the

DIGITAL RADIOLOGY PROJECT, CIVIL HOSPITAL KARACHI

BY DOW MEDICAL COLLEGE, CLASS OF 1985

We would like to take this opportunity to introduce ourselves. We are the graduating class of year 1985 from Dow Medical College, Karachi. This college is affiliated with the Civil Hospital Karachi, which is one of the largest tertiary health care centres in Pakistan and serves mainly an indigent & poor population. The civil hospital is funded by the government and although some of the city's renowned doctors work in this hospital providing patients with their highly specialised services, unfortunately there is a dearth of high quality infrastructure available, resulting in non utilisation of their skills.

Realizing this, successive graduating classes from batch of 1976 of Dow Medical College have conceived, planned and implemented upgrading ventures for the hospital infrastructure.

Our venture is to digitalize the Radiology Department of Civil Hospital Karachi. This project will bring the Radiology Department into the 21st century. A state of the art department equipped with latest machines operated by qualified radiologists and supporting staff will make available latest diagnostic techniques and technologies, only available at considerable cost to paying customers in private hospitals, free of charge to the common person.

Following are some of the benefits to be achieved:

- At the moment most of the machines use old technology resulting in poor quality X-Ray images using which physicians routinely miss common diseases such as cancer and TB, etc. Digital x-ray images are vastly superior resulting in early diagnoses and treatment of diseases.
- Conventional X-Ray technology uses expensive x-ray films which are easily subject to pilferage. By having films digitalized this loss of revenue amounting to millions of rupees per year will be saved and put to better use. Cost of x-ray films per year is Rs 25 million.
- The results of conventional x-ray films are only seen after the x-ray has been taken. Every time a substandard view is taken a second film has to be used to get the desired image. Sometimes three films are wasted for every one satisfactory picture. Digital Radiology does away with this hit and miss technique, as virtually live viewing is done before the image is saved. Loss of films during transport and delay in reaching the end user (referring physician) will be avoided as the image will be available on-line throughout the hospital the instant it has been taken. This will help in saving precious time in