

# NLM Applications

Presentation to the Presidential Advisory Committee on  
High Performance Computing and Communications,  
Information Technology, and the  
Next Generation Internet

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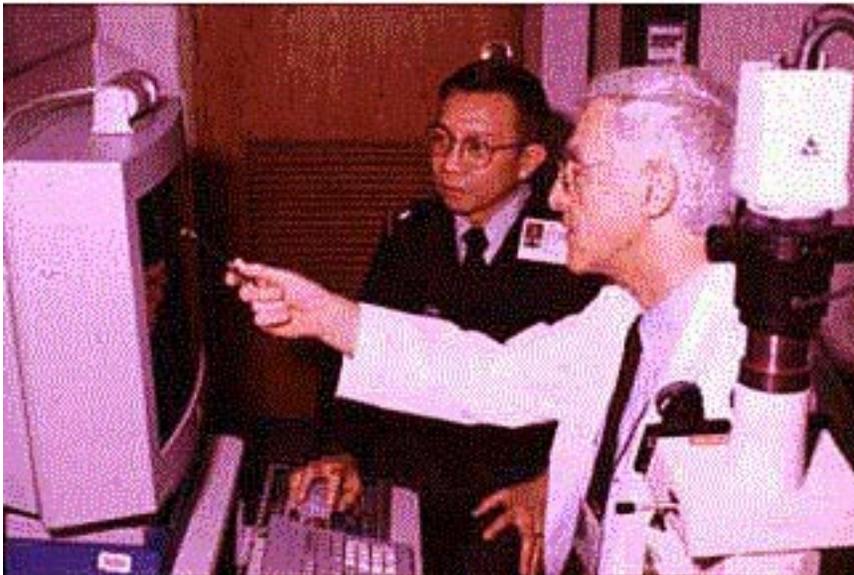
# NGI Applications Sponsored by NIH: Real-time Telemedicine

## Categories:

Medicine, Collaboration

## Description:

Medical diagnosis is often based on the real-time observation and analysis of objects in motion. These situations tend to be in the realm of different medical specialists which are not conveniently available in many communities. Telemedicine consultations would be very useful and practical in these circumstances. Such situations might include orthopaedic gait analysis, monitoring nystagmus (vibrations of the eye) during a neurological examination, viewing the echocardiogram during a cardiology examination or looking through the endoscope during an endoscopy procedure.



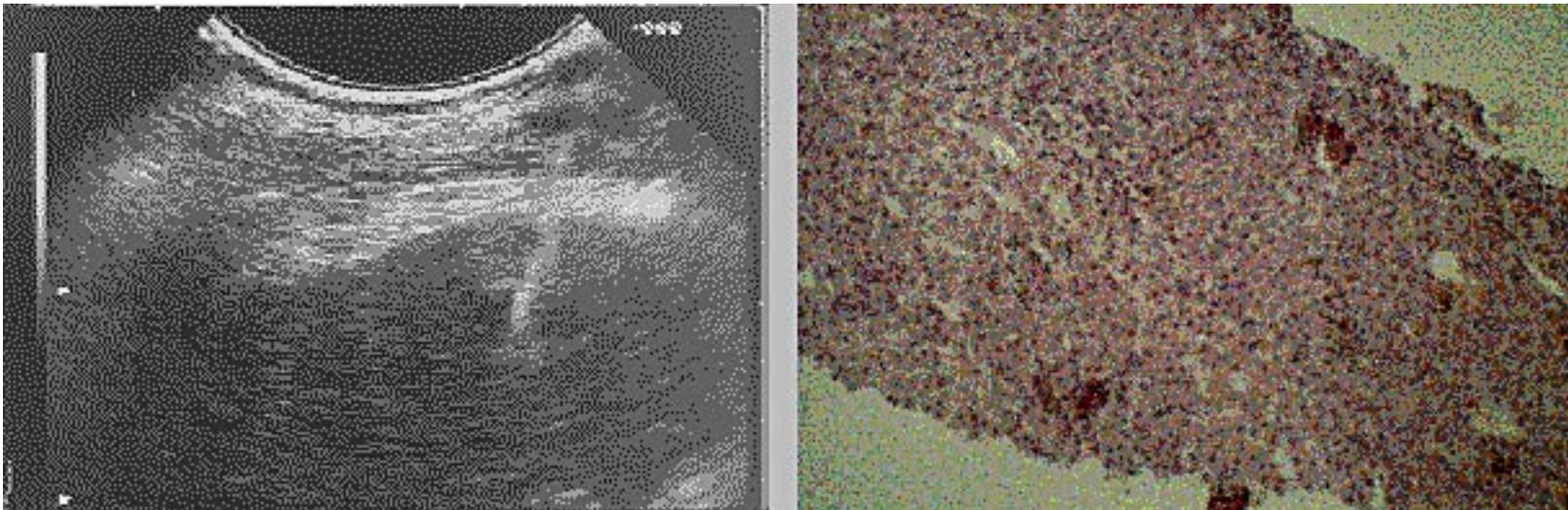
# NGI Applications Sponsored by NIH: Medical Image Reference Libraries

## Categories:

Medicine, Digital Libraries

## Description:

To provide net accessible reference libraries of digital images, movies and sounds representing normal and pathological medical conditions.



# **NGI Applications Sponsored by NIH: High-Resolution Imaging Telemedicine**

## **Categories:**

Medicine, Collaboration

## **Description:**

Medical diagnosis is often based on the observation and analysis of static high resolution images. These situations tend to be in the realm of different medical specialists which are not conveniently available in many communities. Telemedicine consultations would be very useful and practical in these circumstances. Such situations might include consultations with a radiologist, pathologist, dermatologist or ophthalmologist.

