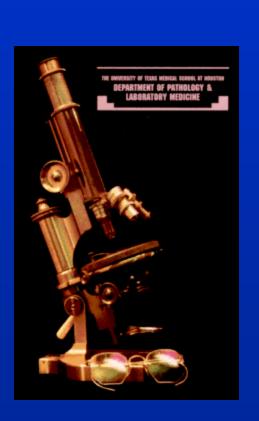
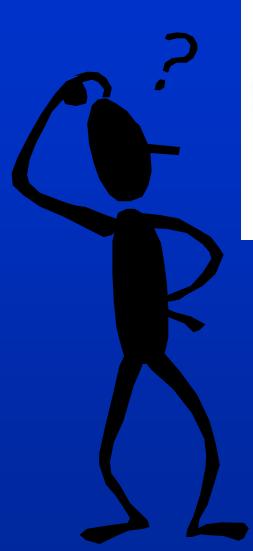
AN IMAGE DATABASE FOR ARCHIVED PRESENTATION CASES

Deepali Gupta, Sang Ling Wu, Margaret Uthman, Andy Nguyen

Traditional ways of storing images

- Kodachromes
- □Prints & negatives
- □Glass slides

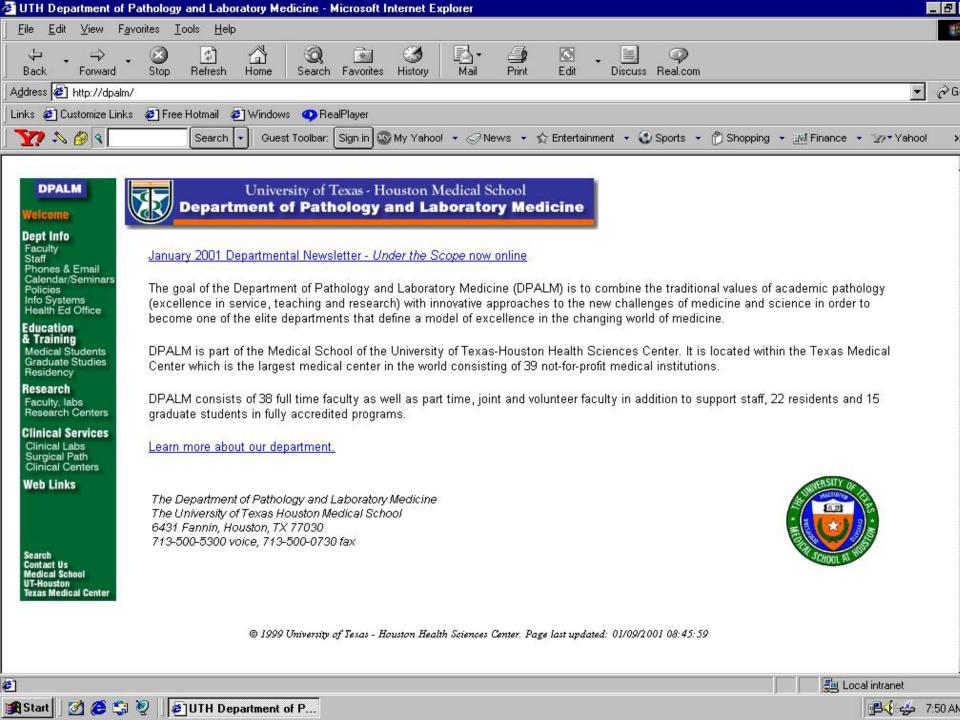


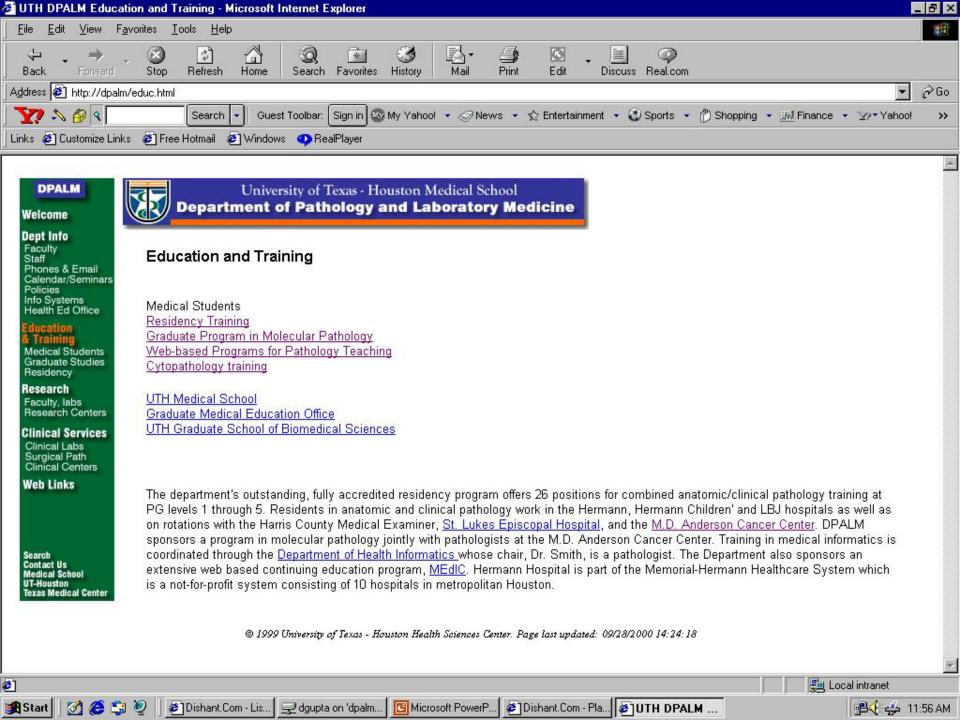


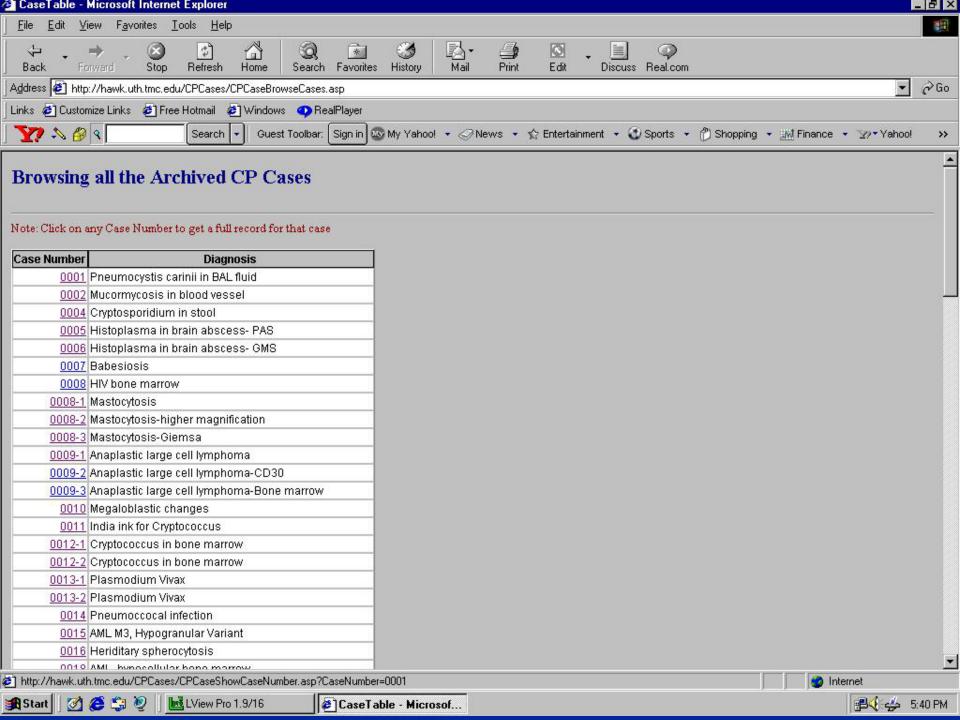


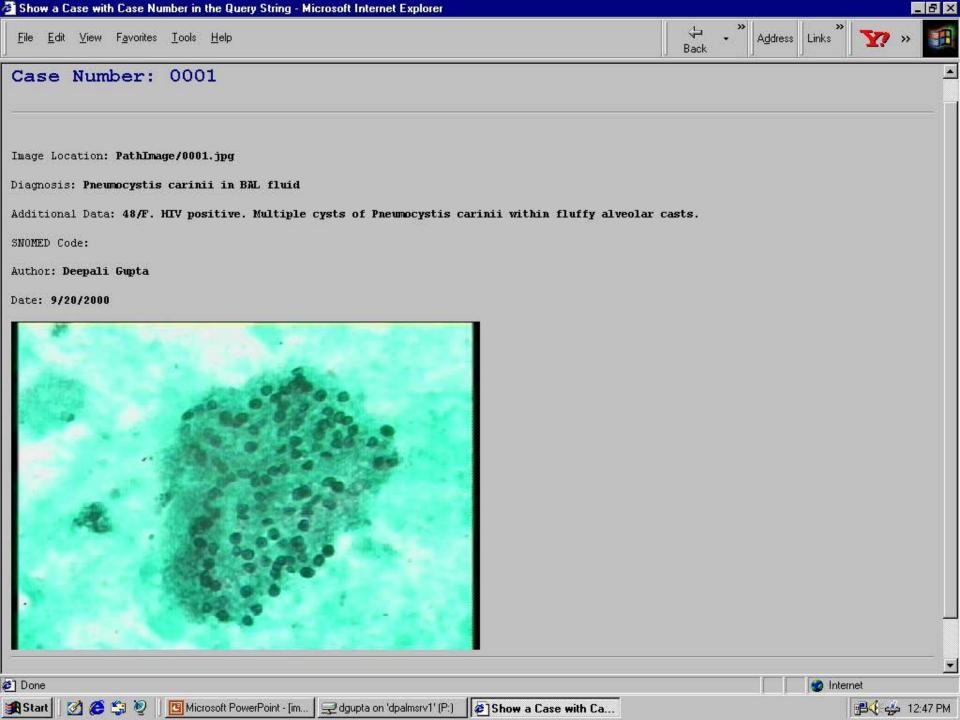
Internet Image Database: Development

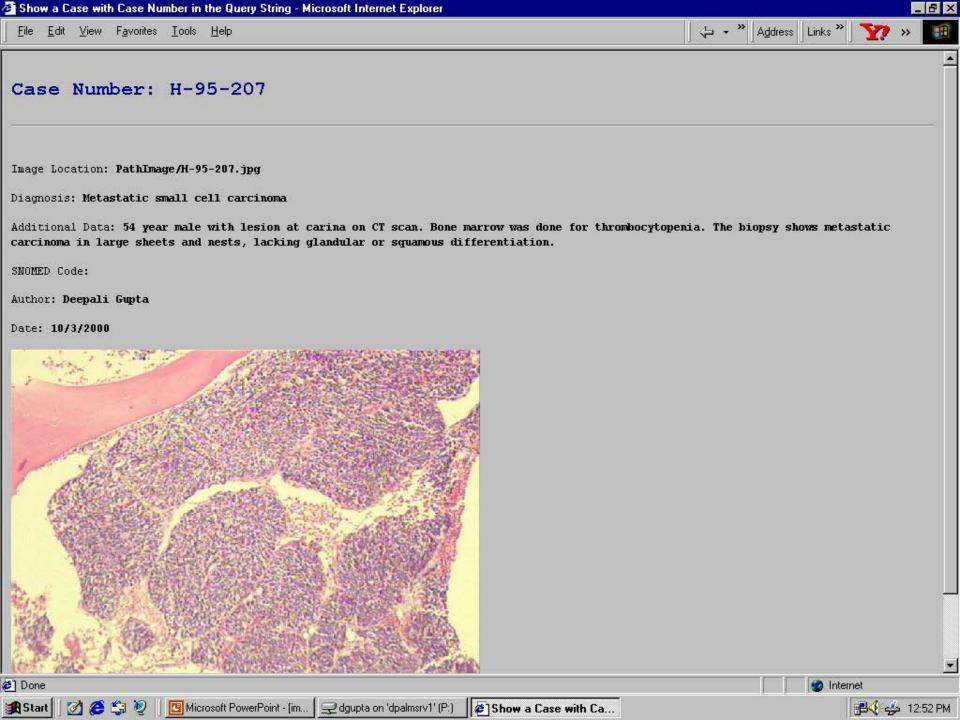
- ☐ Implementation of a centralized database
- Aim of the software to: (a) enable users to store digital images and text & manipulate the images; (b) to access the archive at later date
- ☐ Provide internet access to mixed text/image database and integrate it in the departmental website

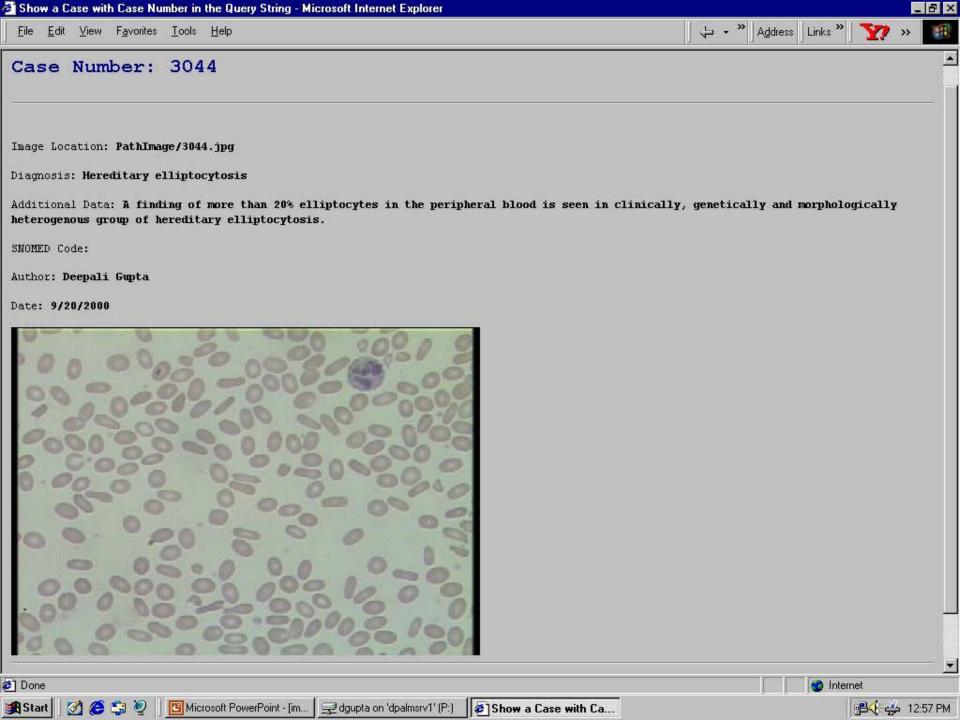


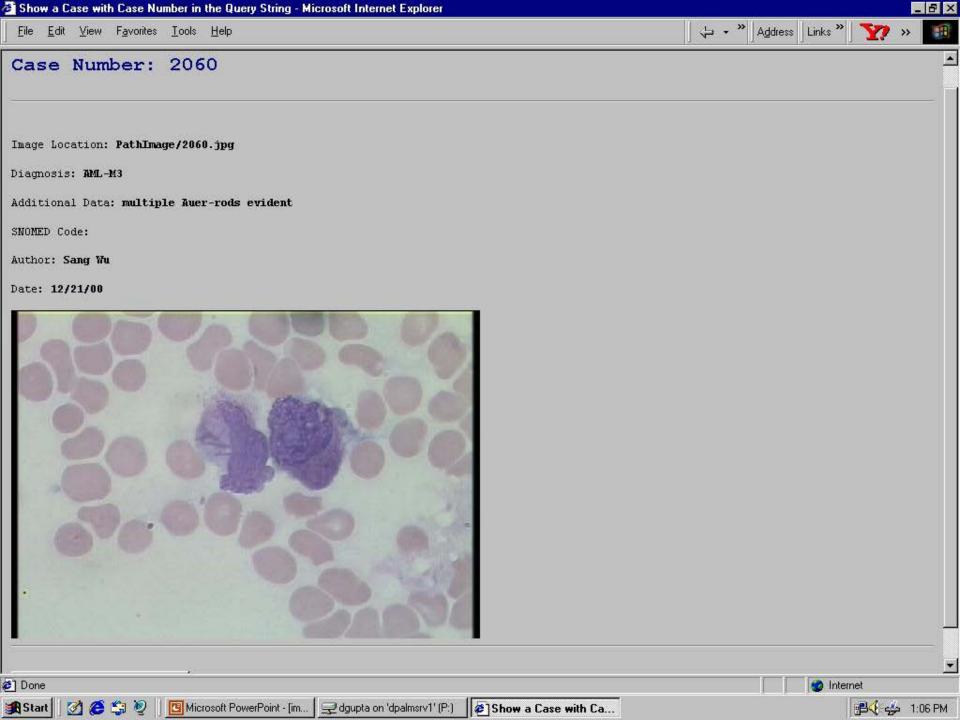


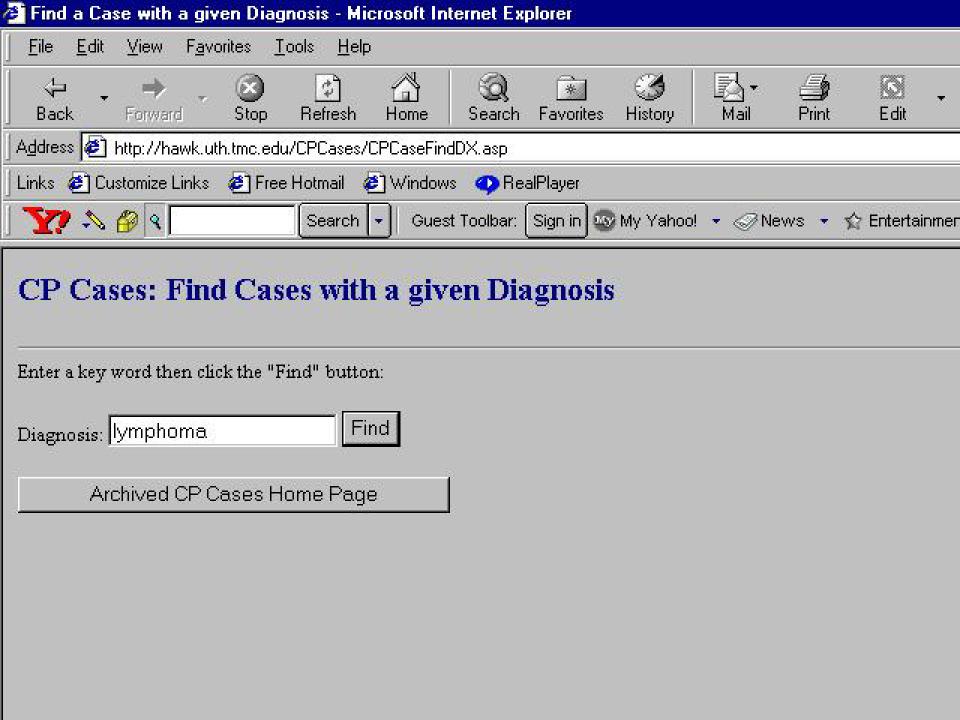


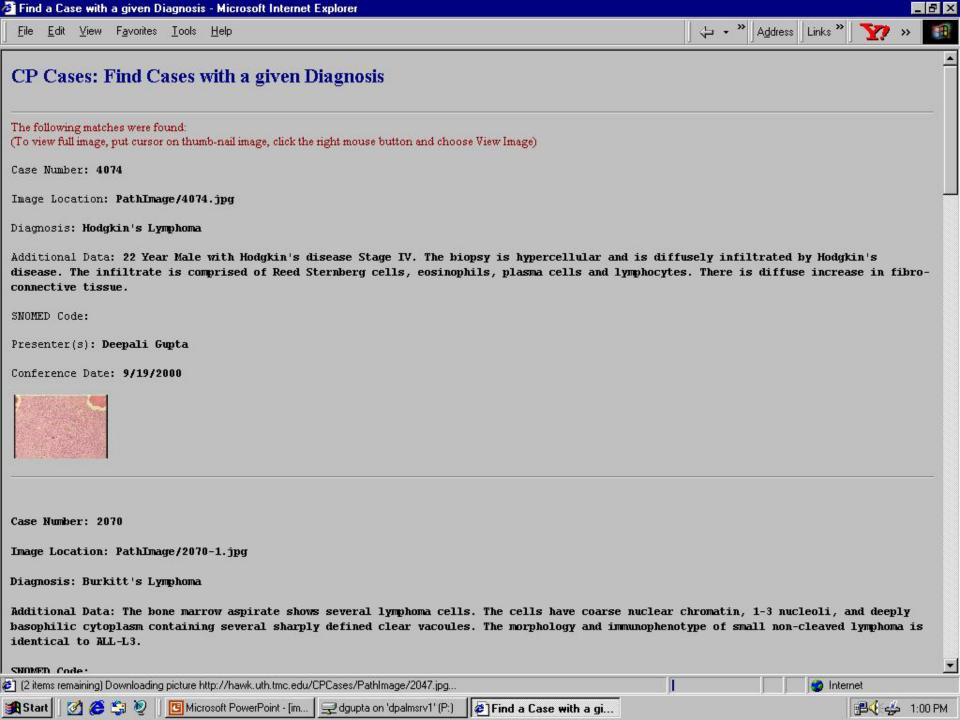








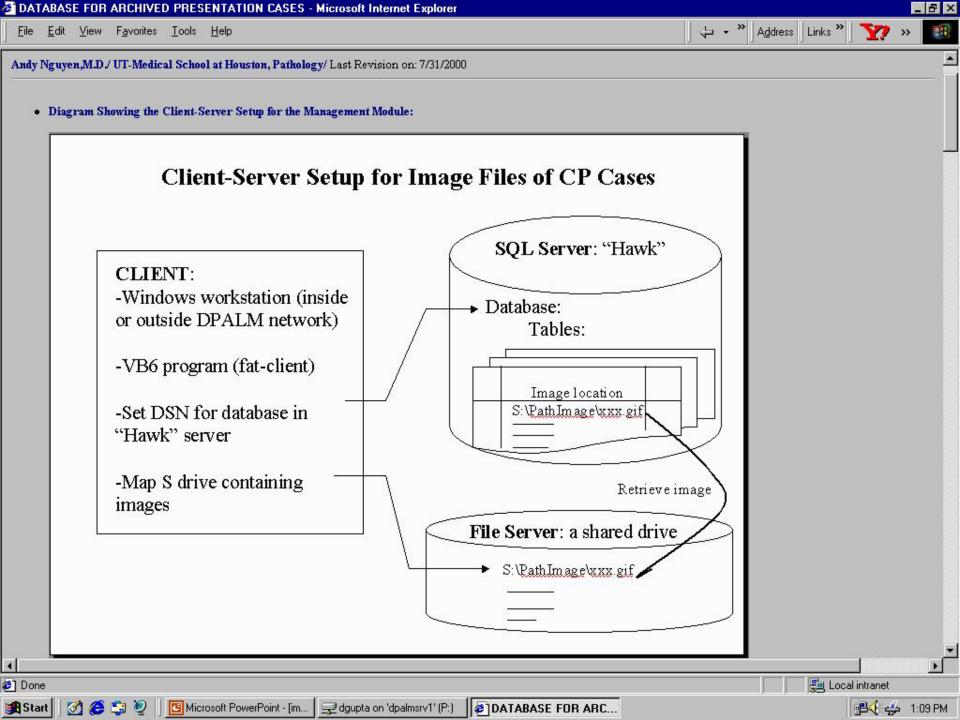




Structure

- Client-server module
 MS SQL Server 7
 File server
- ☐ Web-based module

 Microsoft internet information server



CP Cases

Case Number: 4027

Image Location: Pathlmage/4027.jpg

Diagnosis: Bone marrow granuloma

Additional data:

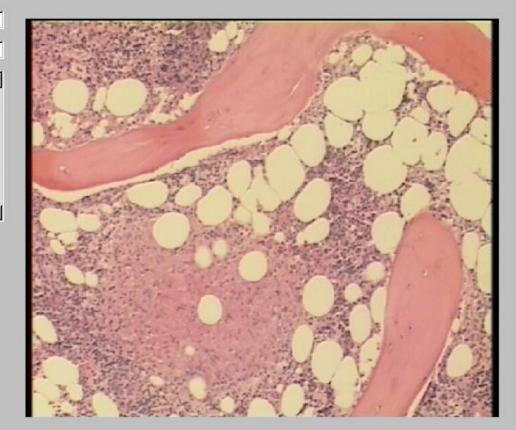
51/M. HIV and HCV pos., chest X ray: miliary TB. Bone marrow is hypercellular for age (80%). Multiple nectrotising granulomas are present. The AFB stain was positive. GMS was negative.

SNOMED: Author: Deepali Gupta

Date: 9/18/2000

View Image

Double-click on folder to open image files in Explorer



 $\underline{\mathsf{Add}}$ <u>E</u>dit Delete Refresh Close Record: 9















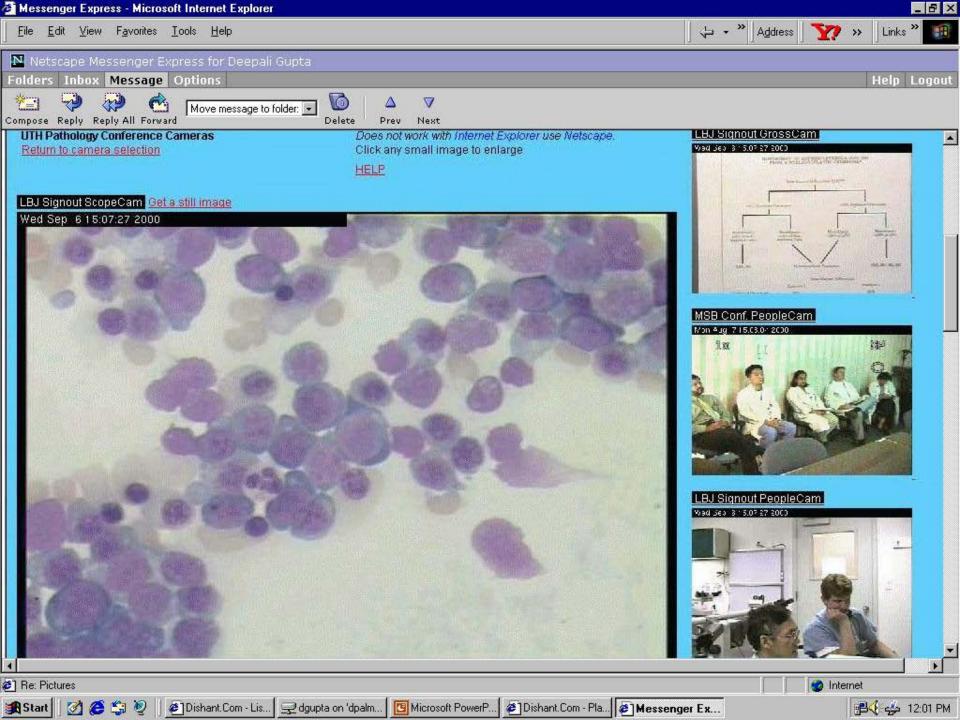






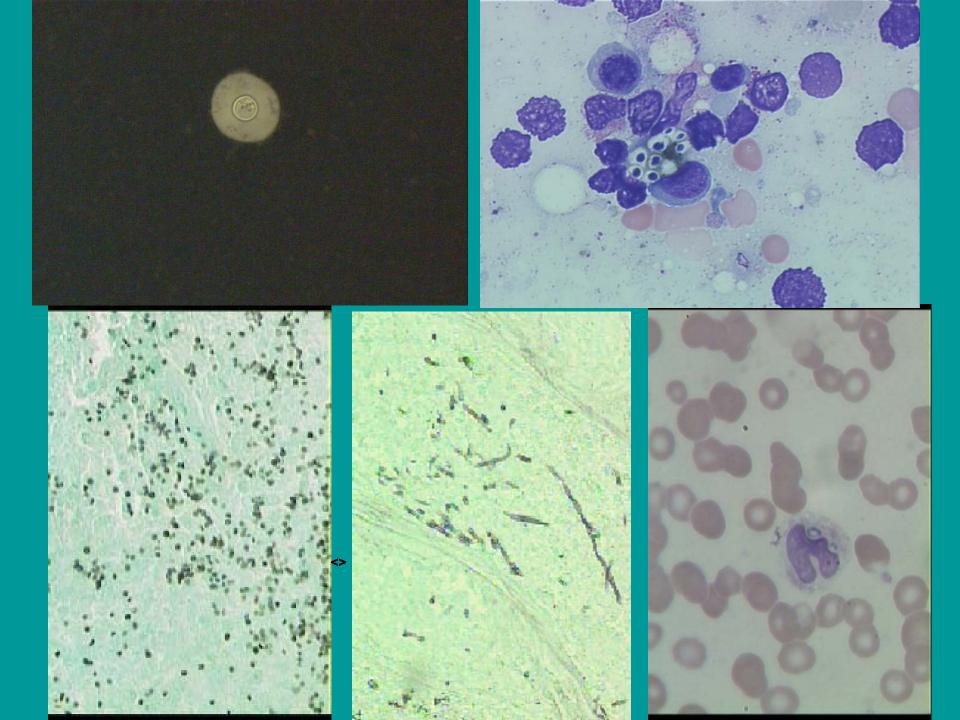
Sources of cases

- Study sets
- Interesting cases during sign-out
- Telepathology conference between LBJ & Hermann Hospital twice weekly



Advantages and uses

- Study set material
- Easy storage and retrieval of rare and interesting cases
- Index for study boxes
- Images can be directly downloaded for presentations as examples or publication



Conclusion

- A prototype image database has been successfully designed and implemented for archiving digital images
- The web module of this database allows for access to images using a web browser
- The image database has been used in our department to archive interesting cases & cases from teleconference

Future improvements

- Index the database
- More than one image for each case
- Image quality