



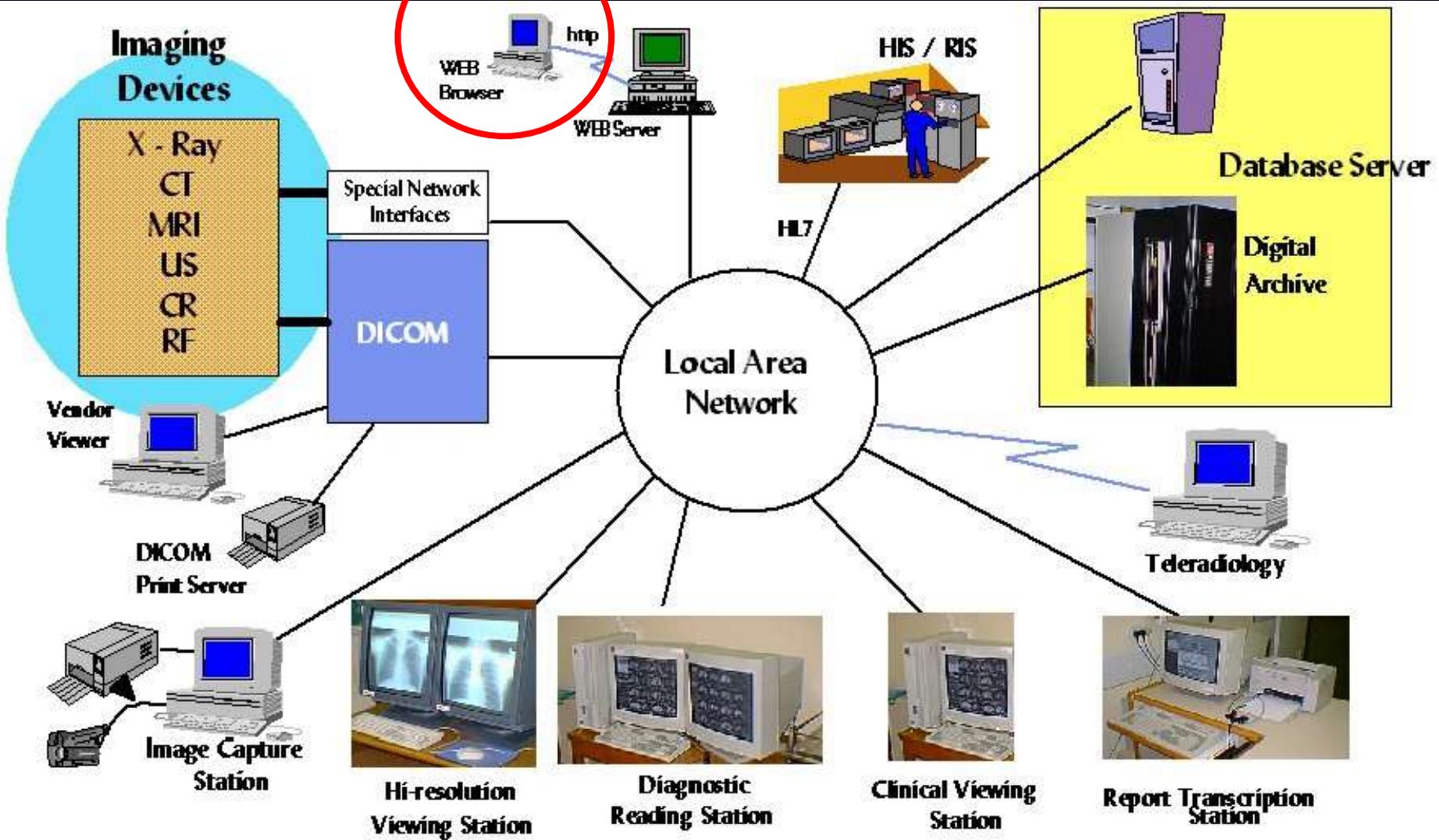
# Using the Web1000

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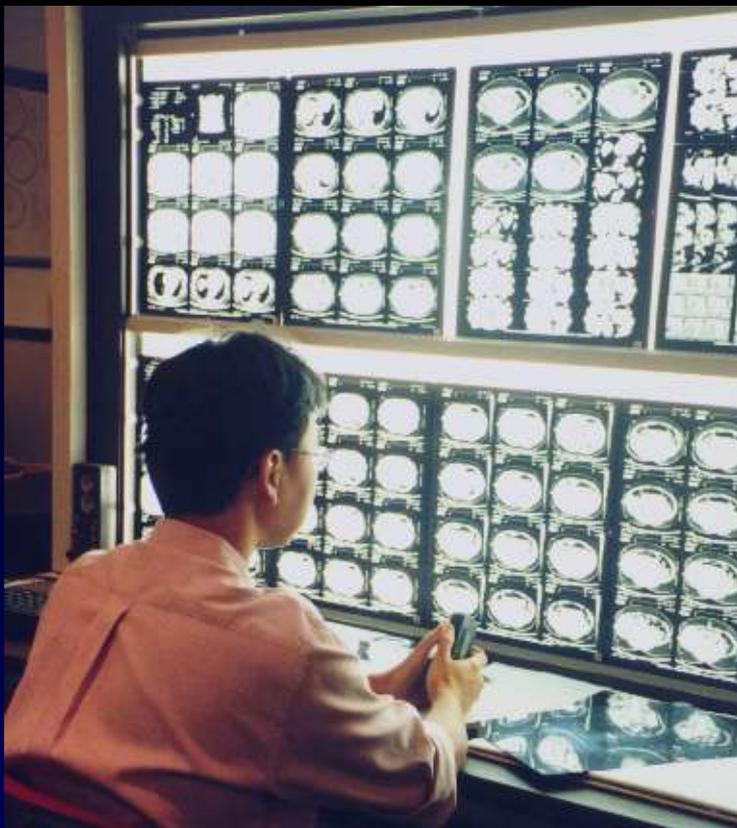
Dr. Mini N. Pathria M.D., FRCP(C)  
Department of Radiology  
University of California School of Medicine  
San Diego, California

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# PACS



# UCSD

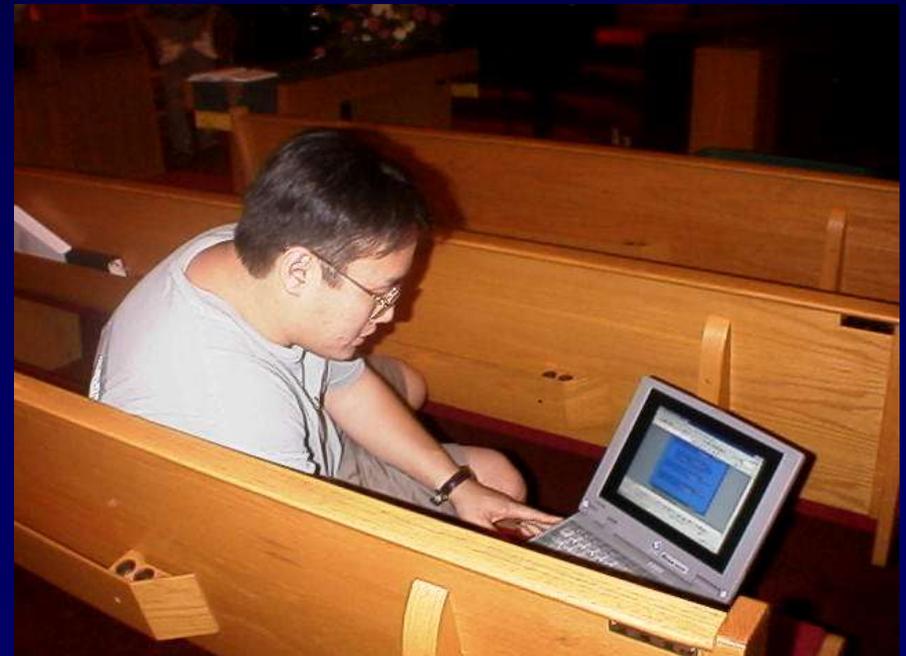


- VA fully PACS
- UCSD/Thornton in first phase of conversion from film to fully digital system
- Agfa PAC system
  - IMPAX diagnostic display stations
  - Web1000 webserver



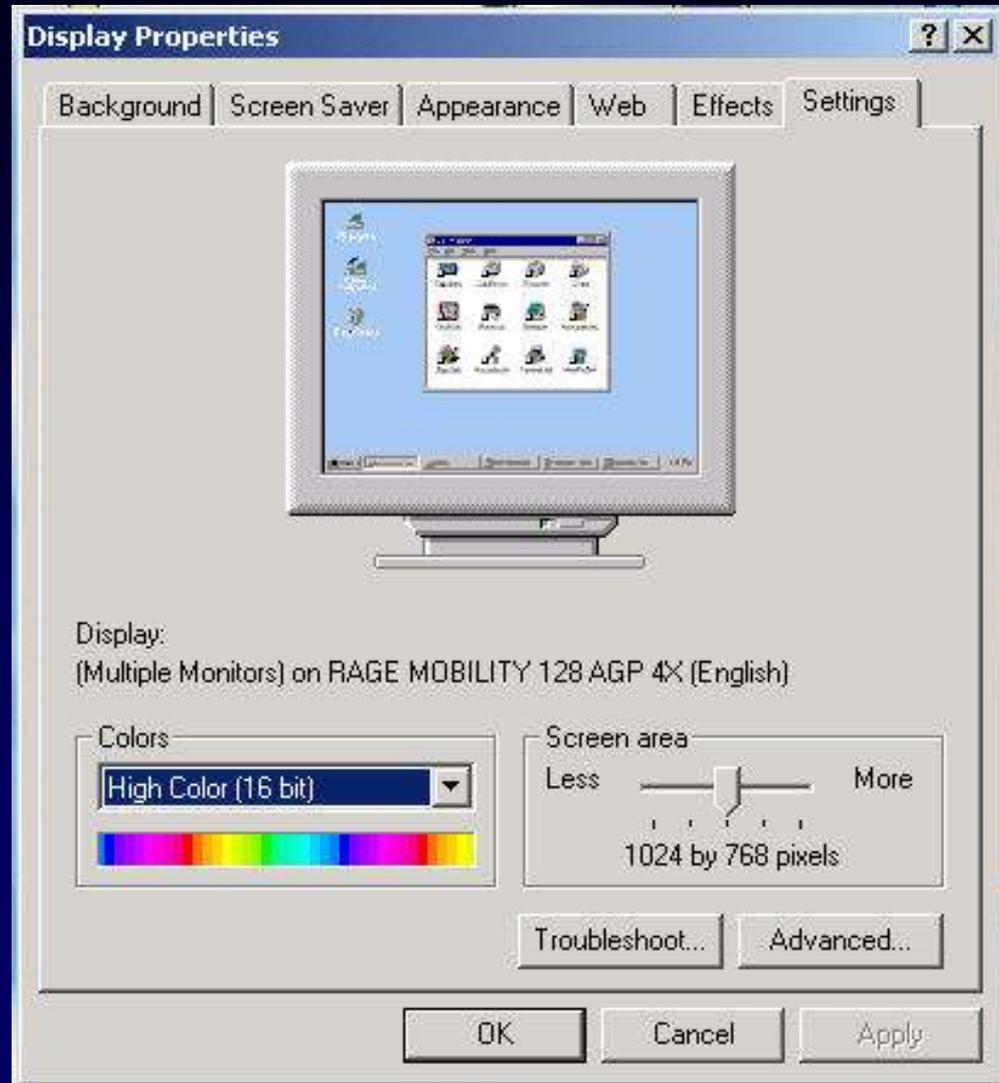
# Web1000

- Allows you to view digital imaging from any computer that has internet access



# Starting up

- You need a PC with at least 64 megabytes RAM (124 or higher recommended)
- You need internet access via cable, ISDN, DSL, ethernet network, or T1 line
- Minimum 1024x768 resolution
- Minimum 16 bit color



# Starting up UCSD

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- You need a 6 digit provider number for UCSD and a password
- If you already have a password for the UCSD IMPAX workstations, the same password will work for the webserver
- Contact person Ms. Kim van Leeuwen at 619-543-6760
- Option 1
  - Use internet from any computer without installing any new software
- Option 2
  - Install ZAC software on your computer (faster startup and load times)

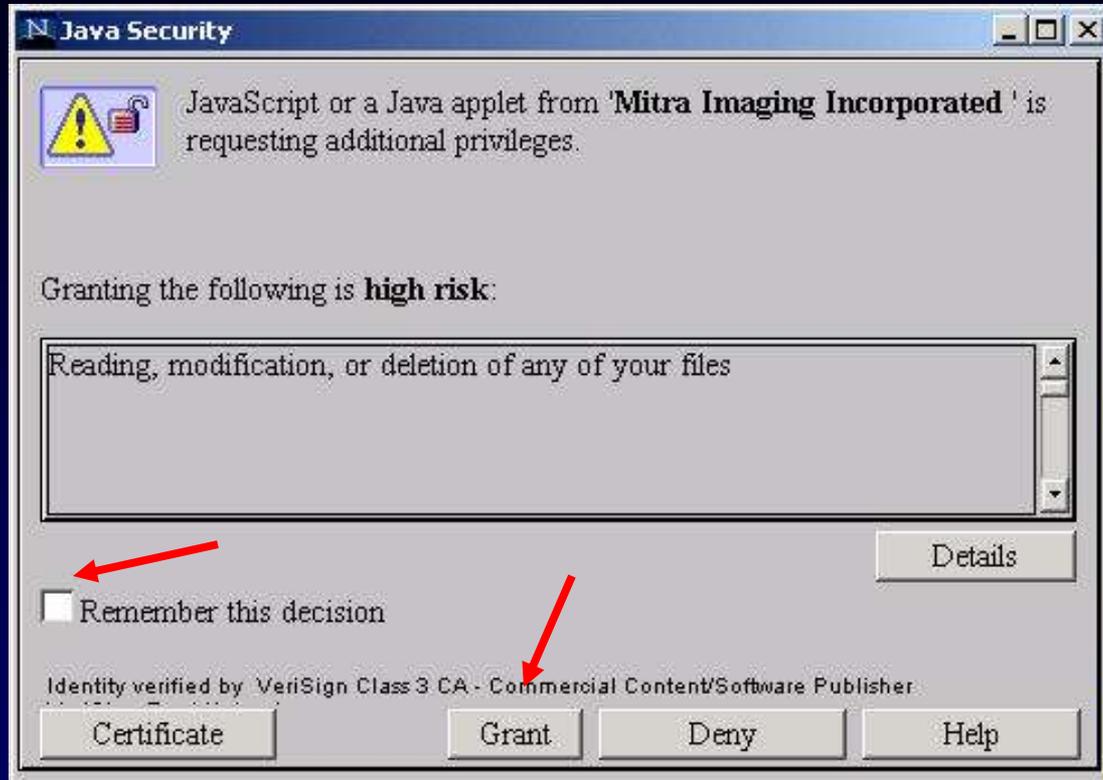
# Direct web log-on UCSD

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- Web address is <http://pacs.ucsd.edu>



# Scary messages



- You will get a series of scary messages the first time
- You have to hit the “grant” button or it will not work
- Use the “remember” button so you don’t get them again

# UCSD web1000 login screen

The screenshot shows a Netscape browser window titled "Agfa WEB1000 - Netscape". The address bar displays "http://pacs.ucsd.edu/". The main content area has a red background with the text "Web1000" and the "AGFA Agfa" logo. Below the logo are two input fields labeled "User ID:" and "Password:". At the bottom, there are four buttons: "Proxy Settings", "Test Pattern", "Login", and "Password". The status bar at the bottom indicates "Applet com.mitra.exhibclient.ExhibAppClass running".

Agfa WEB1000 - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: http://pacs.ucsd.edu/ What's Related

Web1000 AGFA Agfa

User ID:

Password:

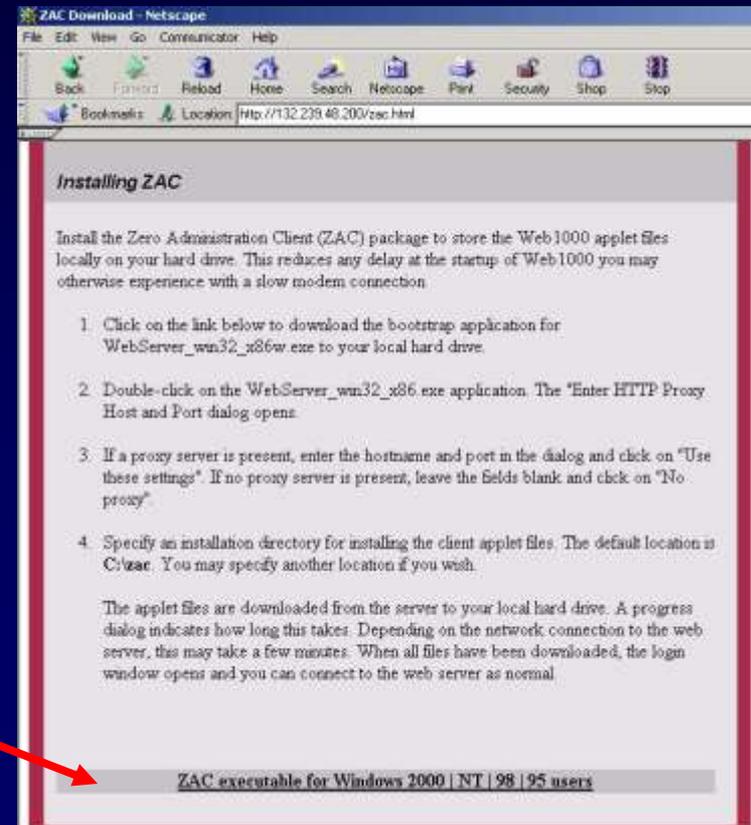
Proxy Settings Test Pattern Login Password

Applet com.mitra.exhibclient.ExhibAppClass running

# UCSD Option 2: Zac software



- Type `http://132.239.48.200/zac.html` in address bar of your internet browser
- Download ZAC installation program by scrolling down to the line "Zac executable..." and clicking it



# Zac software

- Save zac installer program to desktop (preferred) or to a temp file
- Close all open programs, including internet
- Double click on the zac icon to install (should be on your desktop)
- Program will self-install, default install is to C:\zac
- Upon successful install, a new icon appears on your desktop called “webservice”
- Rename if you want, delete the install program from your desktop



# ZAC login screen

The screenshot shows a web browser window titled 'WebServer'. The main content area is labeled 'Options' and contains two input fields: 'User ID:' with the value '004445' and 'Password:' with the value '\*\*\*\*\*'. Below these fields are four buttons: 'Proxy Settings', 'Test Pattern', 'Login', and 'Password'. A red arrow points to the 'Login' button. At the bottom of the window, a status bar displays the text 'Connecting to server'.

- Enter your 6 digit user ID and password
- If ID area is not accepting, enter password first and come back to user ID
- Hit login button

# Starting up VA

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- You need a VA provider number and password
- This provider number is different than the one you use for UCSD
- If you have a password for the VA IMPAX workstations, the same password will work for their webserver
- Contact person is Mr. Mike Olds VA x7576
- Only 1 option
  - Install VISTA software and VPN client on your computer
  - No direct web logon across VA firewall

# Installing VA software

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- Install software on the CD given to you by Mike Olds
- Will install VPN software automatically to c:/program files
- You will have 2 new directories called VPN and VISTA
- You will have an icon to start VA VPN on your desktop



# VA VPN client

- Start up VPN client
- You will be prompted for username and password
- VPN client must be connected in order to continue
- VPN screen will disappear but there will be an icon in your system tray indicating you are connected

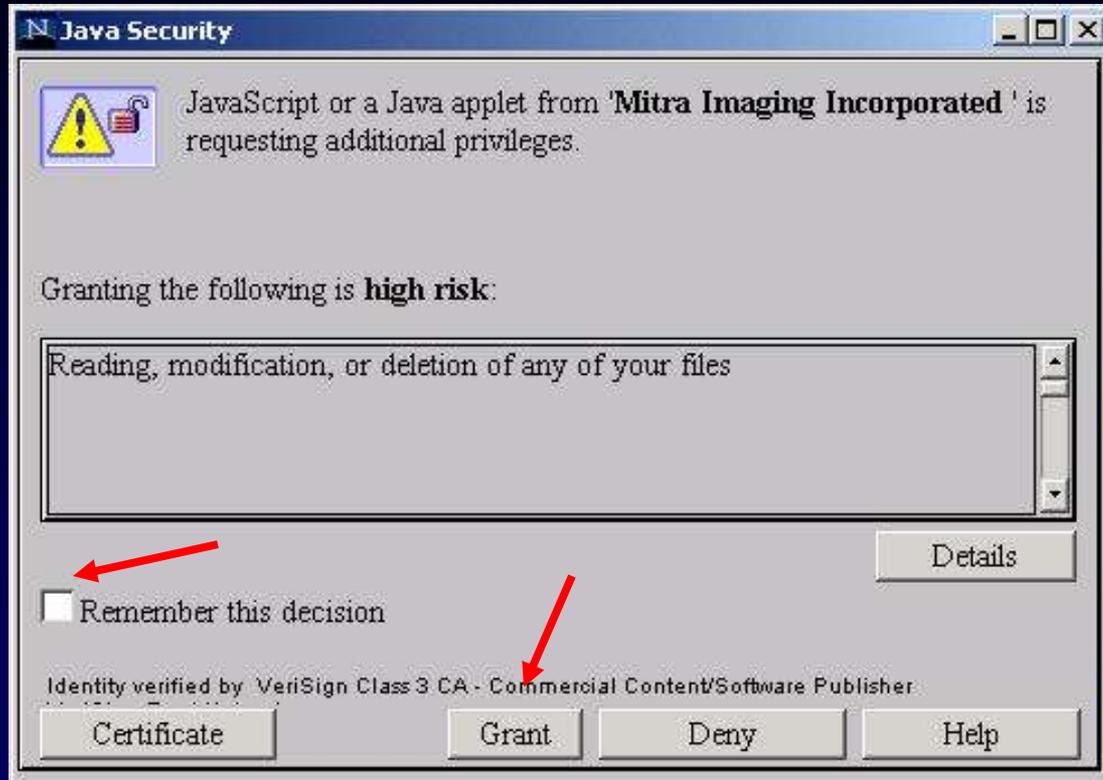


# Web log-on VA

- Once VPN client is connected you can use your web browser (Netscape or Explorer) to access the VA images
- Web address is <http://vahasdcweb1000>



# Same scary messages



- You will get a series of scary messages the first time
- You have to hit the “grant” button or it will not work
- Use the “remember” button so you don’t get them again

# VA web1000 login screen

Agfa WEB1000 - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: http://pacs.ucsd.edu/ What's Related

Web1000 AGFA Agfa

User ID:

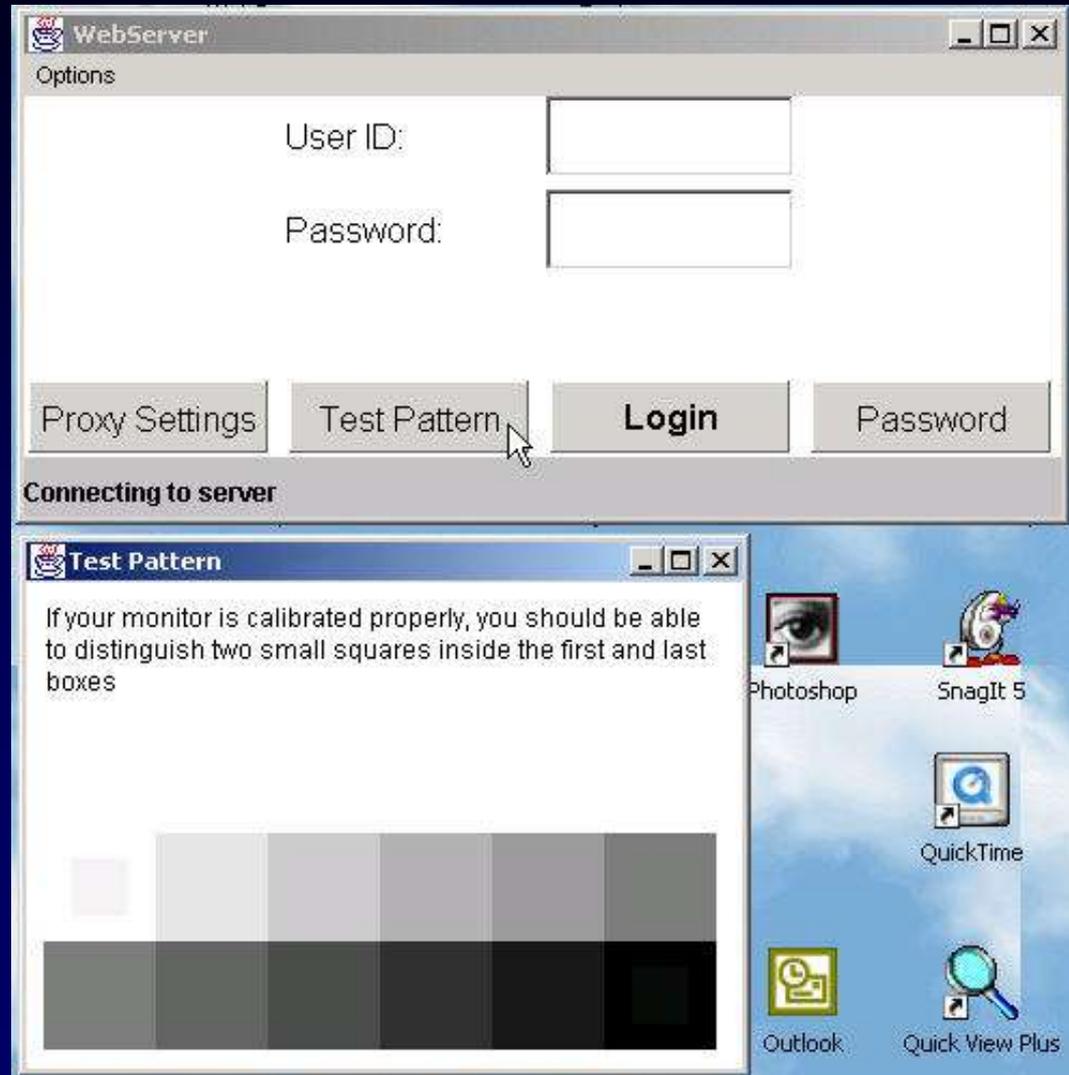
Password:

Proxy Settings Test Pattern Login Password

Applet com.mitra.exhibclient.ExhibAppClass running

# Other buttons

- “Proxy settings” allows you to specify additional proxy servers
- “Test pattern” allows you to test your monitor calibration (display properties/ settings/ advanced)
- “Password” allows you to change password



# Successful log in

The screenshot shows the WEB1000 software interface. The window title is "WEB1000". The interface includes a menu bar with "Study", "Thumbnail", "Image", "Report", and "Conference". Below the menu bar is a toolbar with various icons. There are several search criteria dropdown menus: "Location", "Patient Name", "Search Criterion 2", "Search Criterion 3", "Search Criterion 4", and "Search Criterion 5". Below these are "Web cache" dropdowns and buttons for "Patient Name" and "Patient ID". A table with the following columns is visible: "Accession Number", "Patient Name", "Patient ID", "Study Date", "Study Time", "Study Description", "Modality", "Reason For Study", "Images", and "Patie". The main area of the window is a large, empty gray rectangle with the text "What do I do now?" centered in it. The status bar at the bottom shows "Ready", "User ID : 004445, Team : All Users", "132.239.48.200", and "00:53".

Study Thumbnail Image Report Conference

**WEB1000**

Location Patient Name Search Criterion 2 Search Criterion 3 Search Criterion 4 Search Criterion 5

Web cache

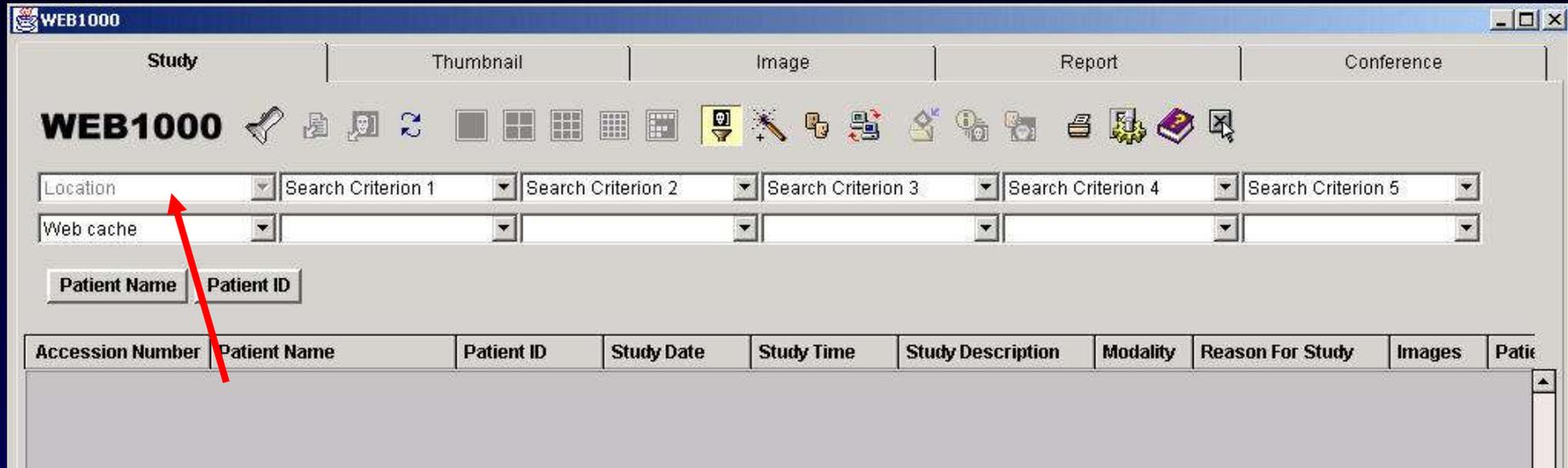
Patient Name Patient ID

Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description	Modality	Reason For Study	Images	Patie
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What do I do now?

Ready User ID : 004445, Team : All Users 132.239.48.200 00:53

# First things first



- The left button specifies patient location
- Default is web cache, this is not a good choice

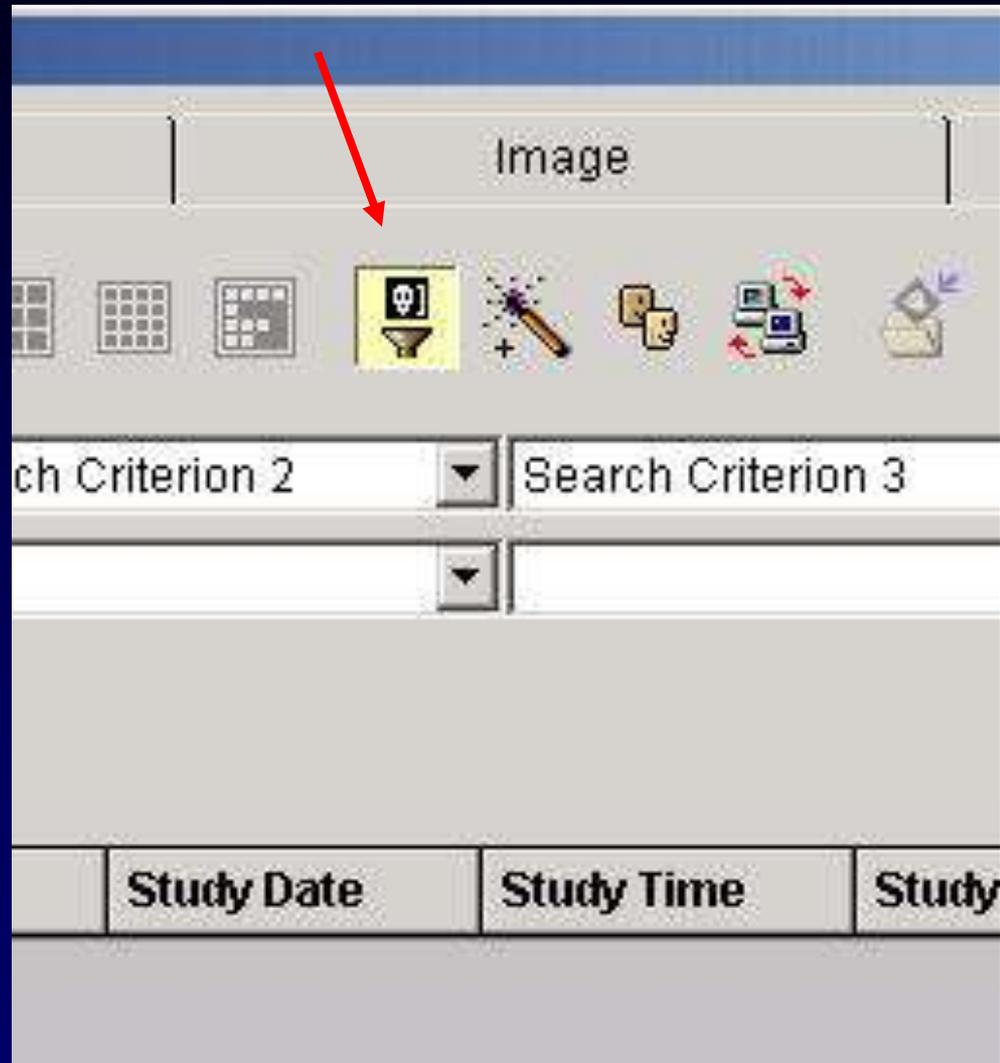
# First things first

- Click on location button
- Make sure you have “All locations” selected
- “Web cache” only holds cases for 60 days
- Occasionally, new cases are not in the cache
- You can modify the default in preferences so “All locations” is default

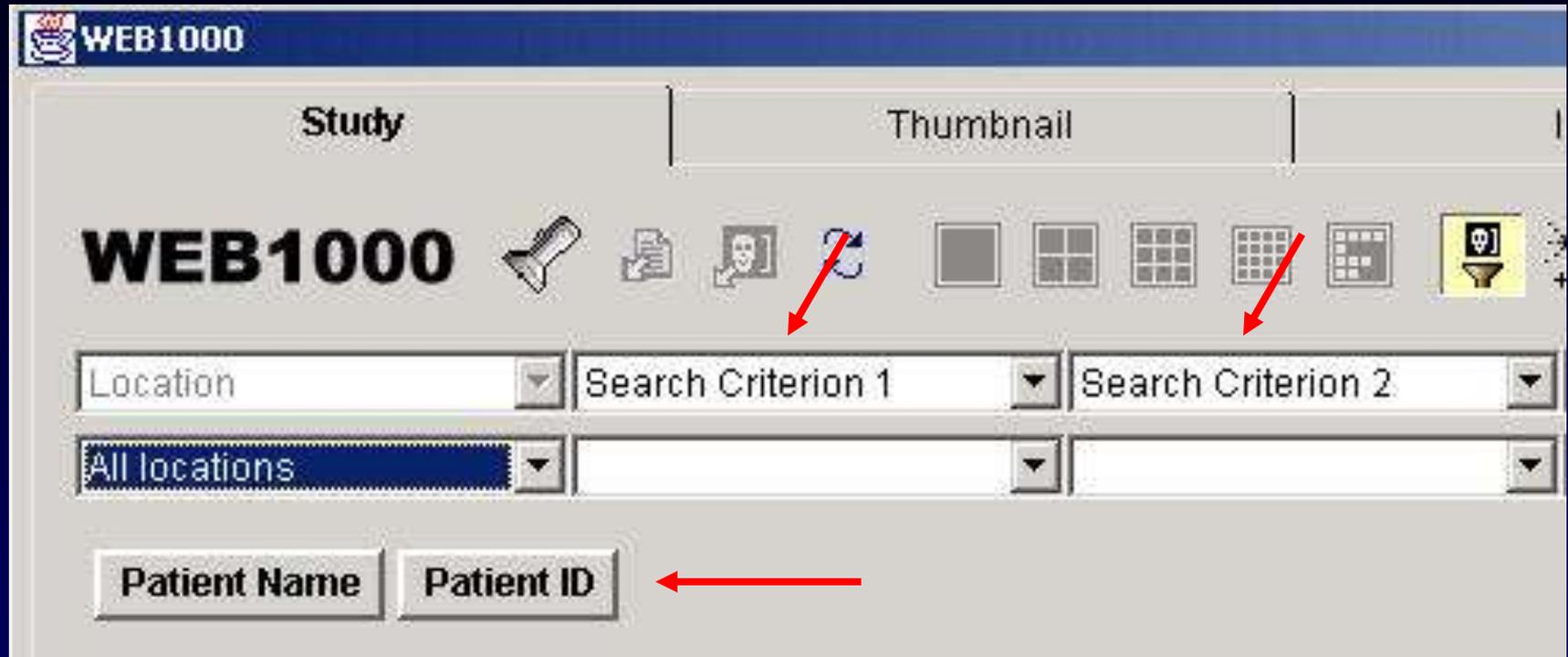


# First things first

- Make sure the “enable lossy compression” button is highlighted
- This makes image loading and viewing much faster
- It should be highlighted by default, can modify in preferences

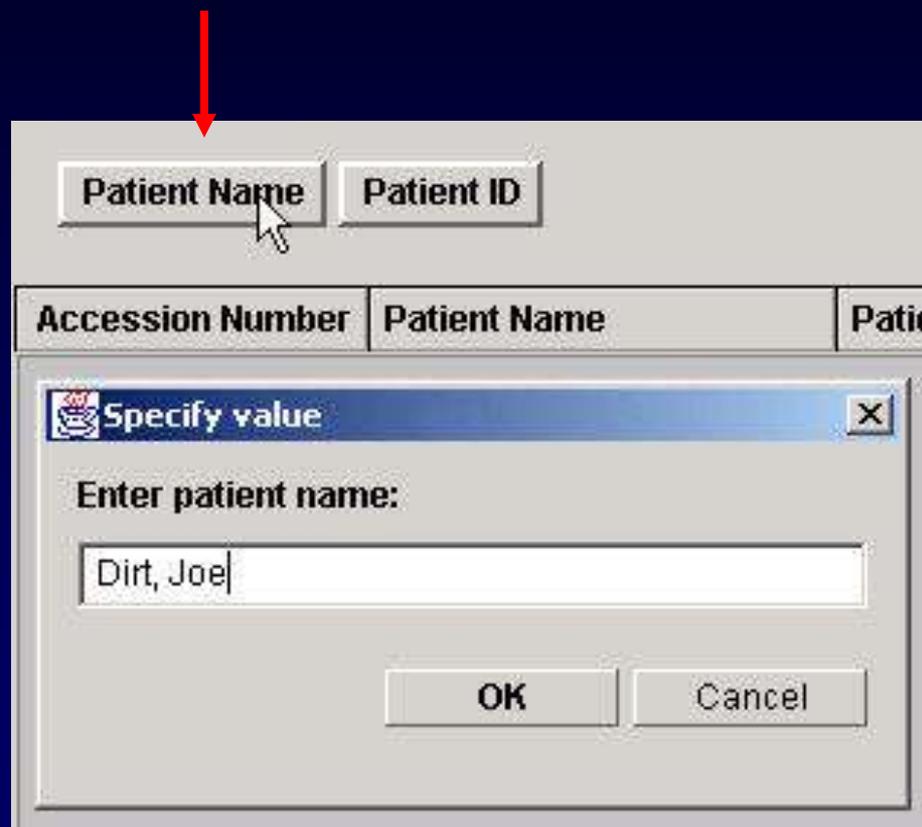
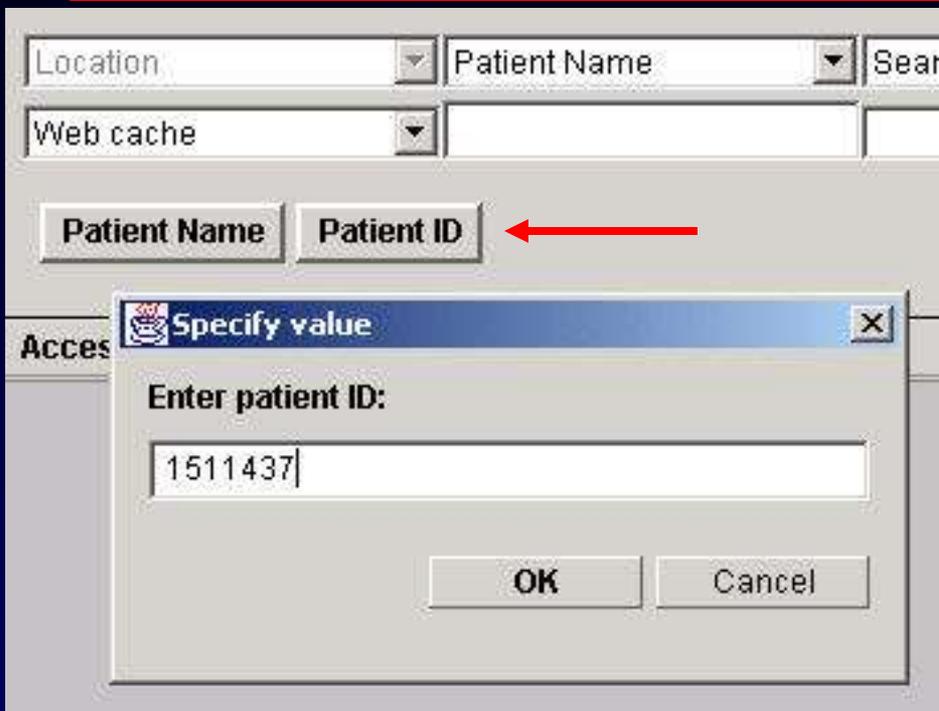


# Decide what you want to see



- Specific patient, specific modality, specific date?
- Narrow search by using either the quick access buttons or the search criteria boxes

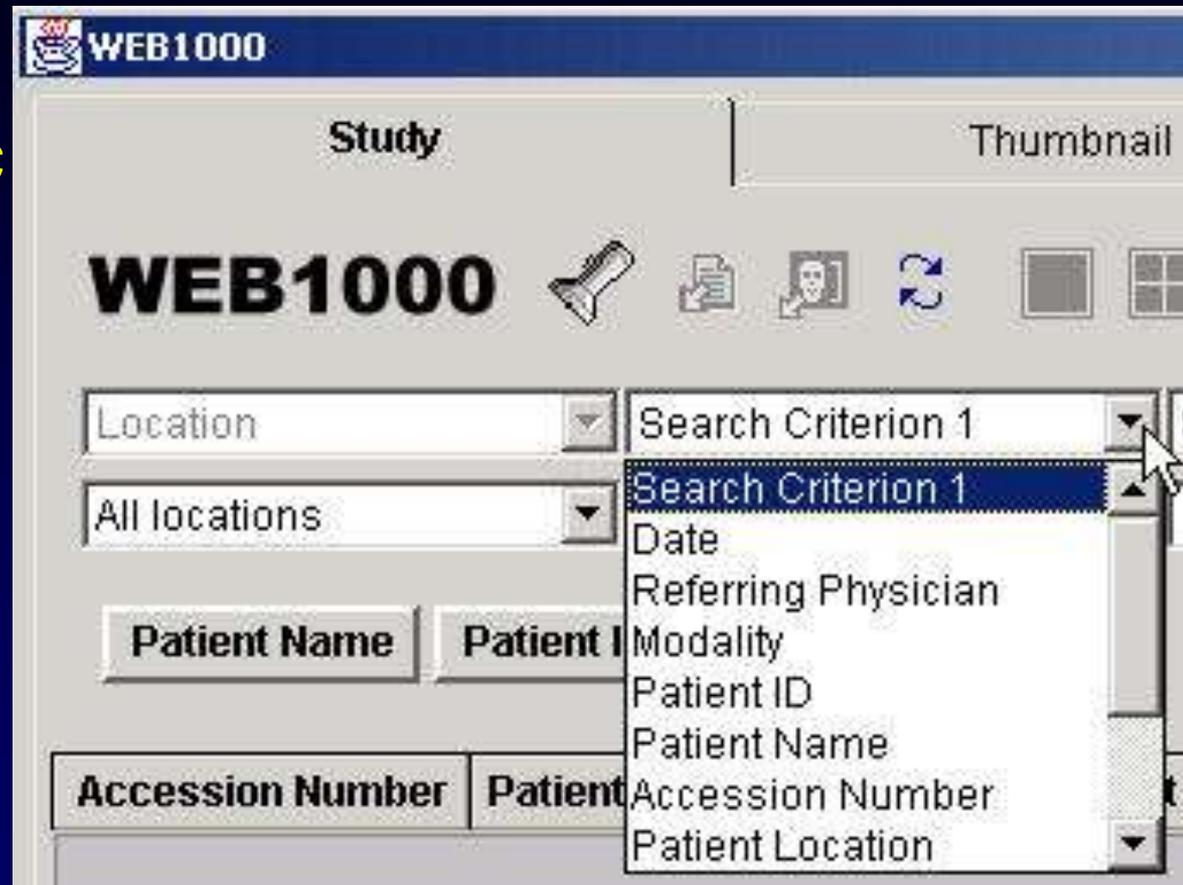
# Quick access buttons



These buttons are on the UCSD system but not on the VA system. They will pull all the digital studies for that patient.

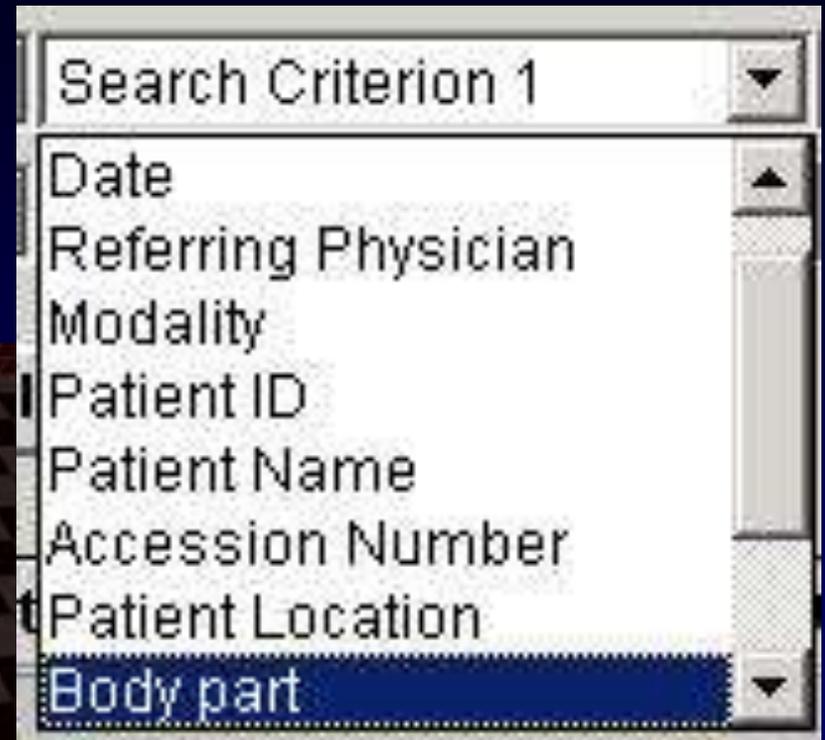
# Using search criterion boxes

- Use these to look for specific range of exams
- Must use these if you can not remember the patient's name or ID number



# Search criteria

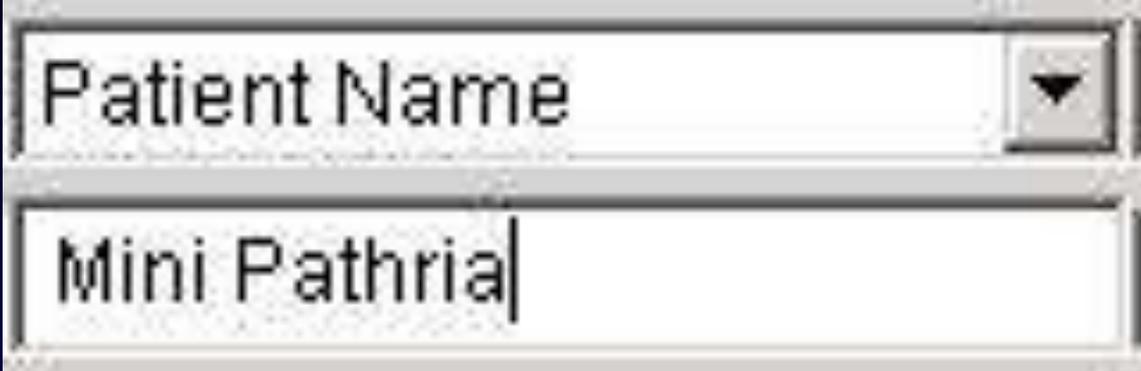
- You can search in a variety of other ways



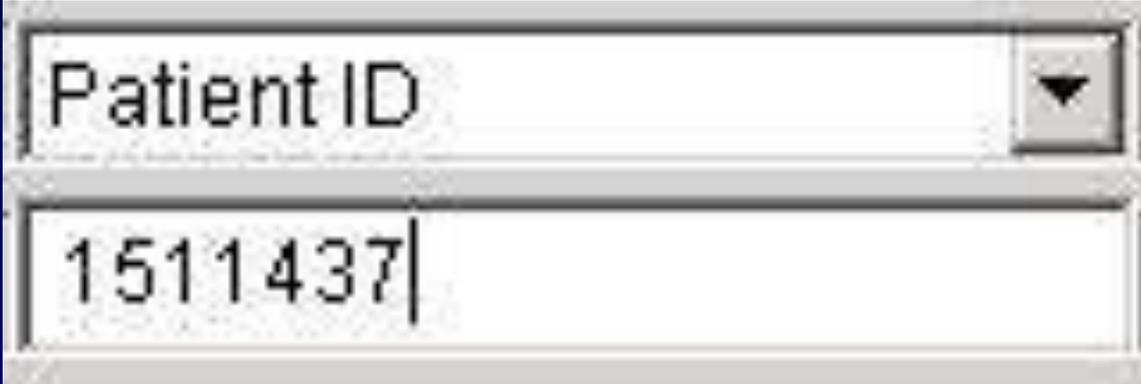
# You know patient's info

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- You can enter name or id number
- Parts of the name and initials do not work!!
- Last name alone is fine
- No advantage over quick access buttons



A screenshot of a software interface for patient search. It features a dropdown menu labeled "Patient Name" with a downward-pointing arrow on the right. Below the dropdown is a text input field containing the text "Mini Pathria".

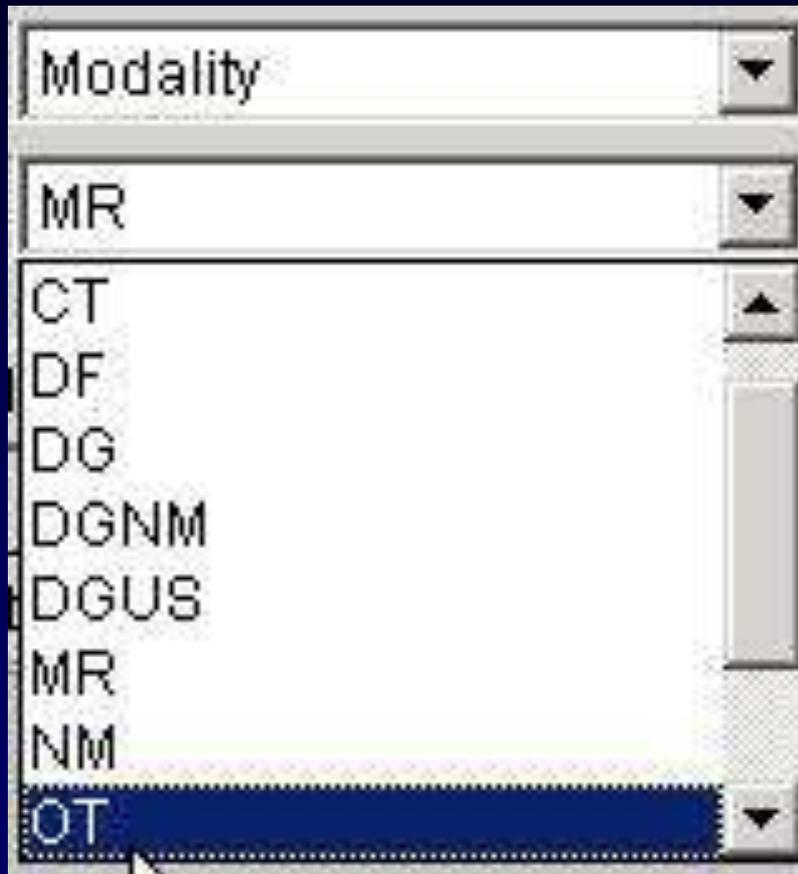


A screenshot of a software interface for patient search. It features a dropdown menu labeled "Patient ID" with a downward-pointing arrow on the right. Below the dropdown is a text input field containing the text "1511437".

# Specific date or modality

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- Useful for restricting your search



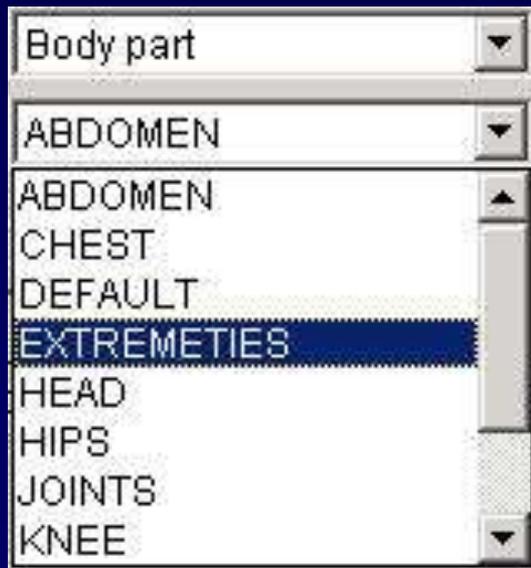
# All your patients

- Pull your name from the referring physician list
- Restrict the date if you use this option or all your patients, ever, will show up on the list!



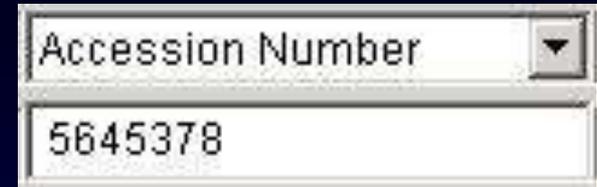
# Criteria that do not work

- Would be useful, but it does not work properly

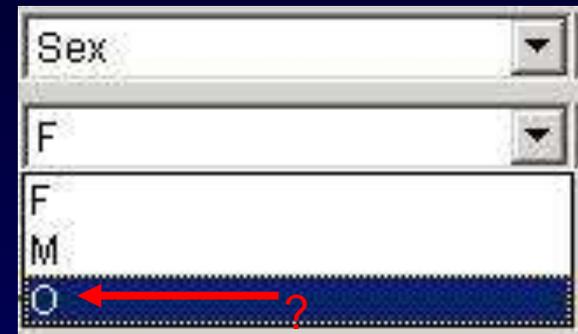


A screenshot of a 'Body part' dropdown menu. The menu is open, showing a list of options: ABDOMEN, CHEST, DEFAULT, EXTREMETIES (highlighted in blue), HEAD, HIPS, JOINTS, and KNEE. The 'Body part' label is visible at the top of the dropdown.

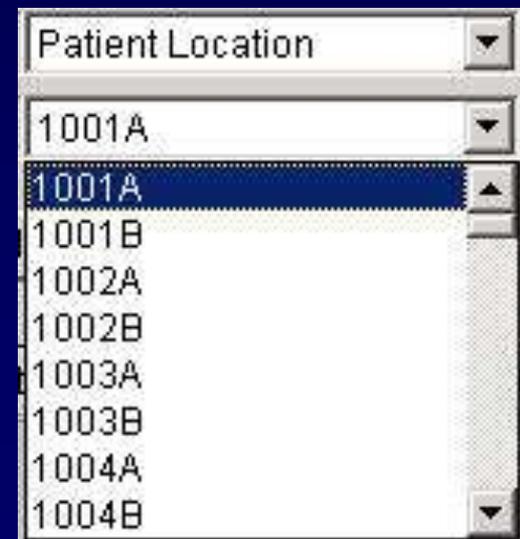
- Useless criteria



A screenshot of an 'Accession Number' field. The field is a text box with a dropdown arrow on the right. The text '5645378' is entered in the field.

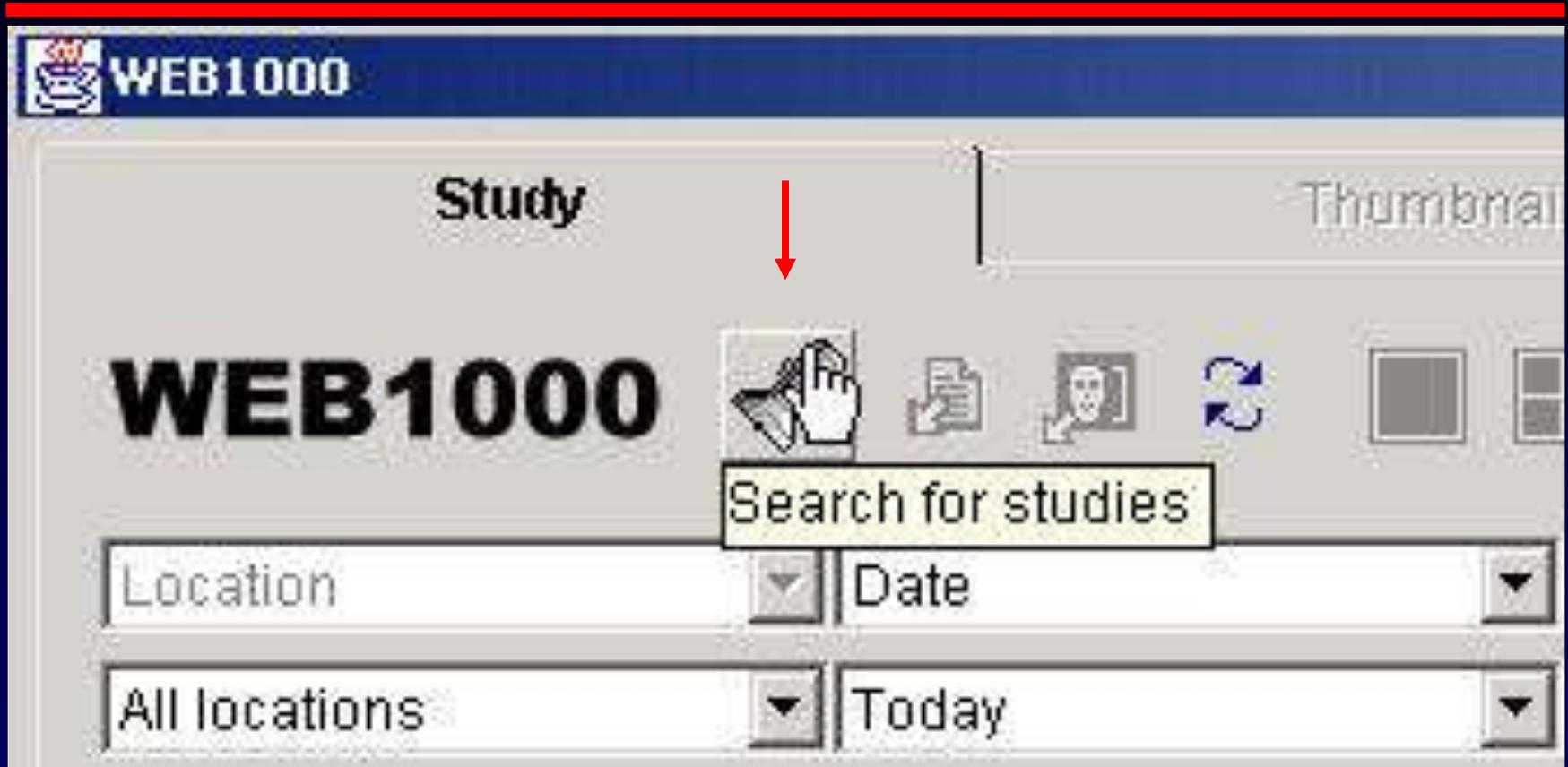


A screenshot of a 'Sex' dropdown menu. The menu is open, showing a list of options: F, M, and an empty option (highlighted in blue). A red arrow points to the empty option with a red question mark.



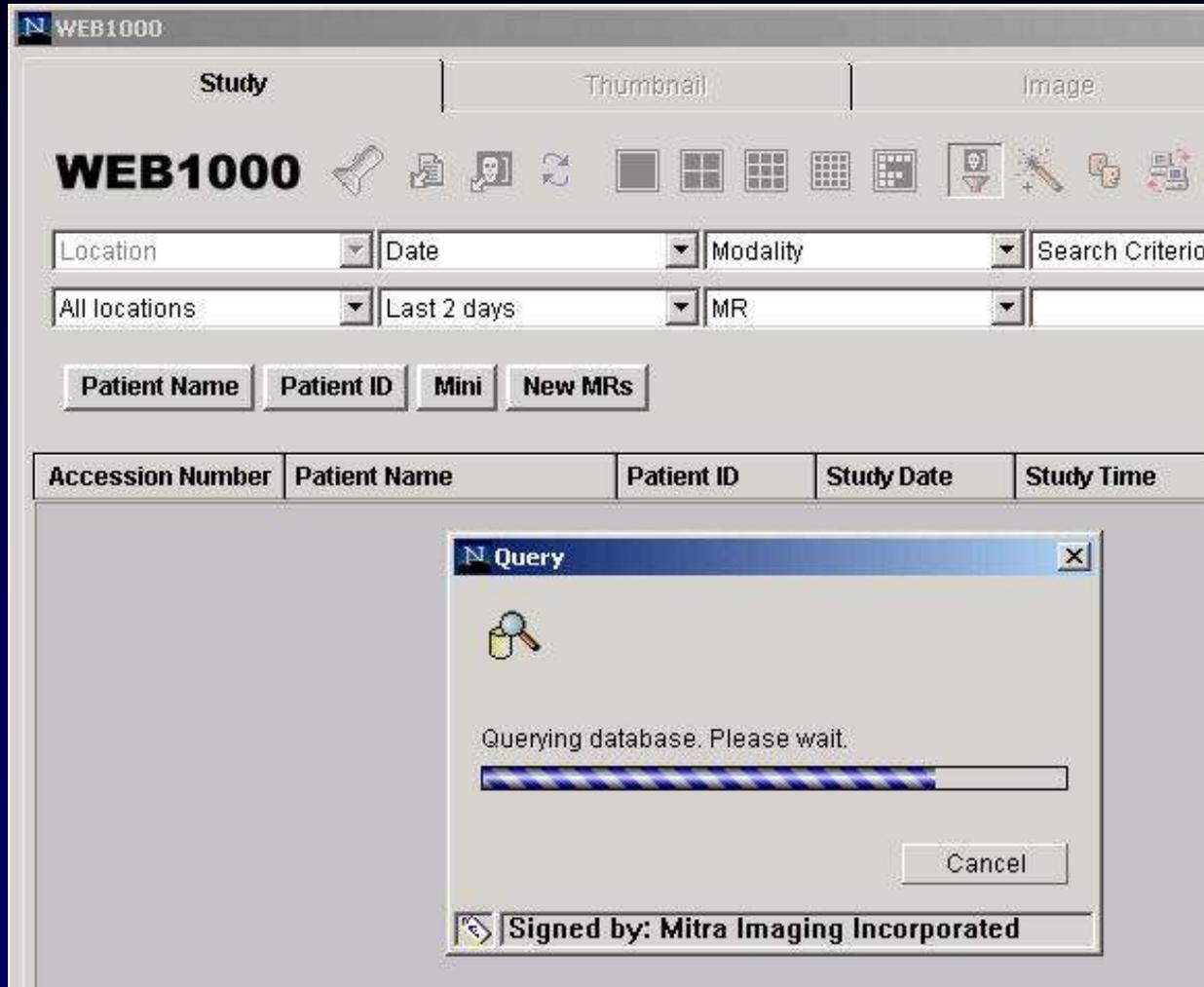
A screenshot of a 'Patient Location' dropdown menu. The menu is open, showing a list of options: 1001A, 1001B, 1002A, 1002B, 1003A, 1003B, 1004A, and 1004B. The option '1001A' is highlighted in blue.

# How to start search



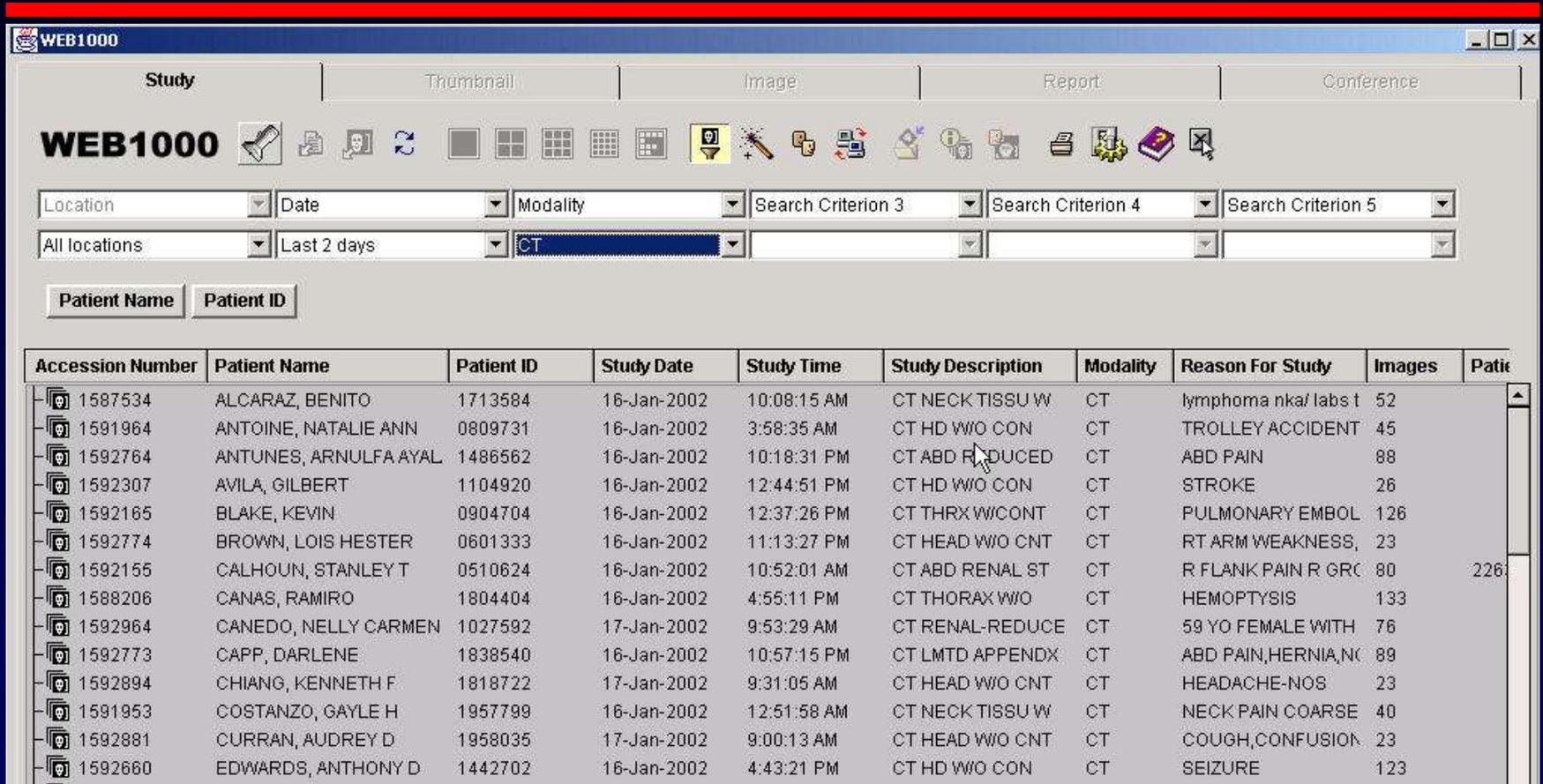
- Once you have selected criteria, click the search button

# Wait...



The more you restrict your search, the faster this will be!!

# Example



The screenshot shows the WEB1000 software interface. At the top, there are tabs for 'Study', 'Thumbnail', 'Image', 'Report', and 'Conference'. Below the tabs is a toolbar with various icons. A search filter bar contains dropdown menus for 'Location', 'Date', 'Modality', 'Search Criterion 3', 'Search Criterion 4', and 'Search Criterion 5'. Below this, there are input fields for 'Patient Name' and 'Patient ID'. The main area displays a table of search results with columns: Accession Number, Patient Name, Patient ID, Study Date, Study Time, Study Description, Modality, Reason For Study, Images, and Patient ID. The table lists 15 entries, with the third entry highlighted.

Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description	Modality	Reason For Study	Images	Patient ID
1587534	ALCARAZ, BENITO	1713584	16-Jan-2002	10:08:15 AM	CT NECK TISSU W	CT	lymphoma nka/ labs t	52	
1591964	ANTOINE, NATALIE ANN	0809731	16-Jan-2002	3:58:35 AM	CT HD W/O CON	CT	TROLLEY ACCIDENT	45	
1592764	ANTUNES, ARNULFA AYAL	1486562	16-Jan-2002	10:18:31 PM	CT ABD R REDUCED	CT	ABD PAIN	88	
1592307	AVILA, GILBERT	1104920	16-Jan-2002	12:44:51 PM	CT HD W/O CON	CT	STROKE	26	
1592165	BLAKE, KEVIN	0904704	16-Jan-2002	12:37:26 PM	CT THRX W/CONT	CT	PULMONARY EMBOL	126	
1592774	BROWN, LOIS HESTER	0601333	16-Jan-2002	11:13:27 PM	CT HEAD W/O CNT	CT	RT ARM WEAKNESS,	23	
1592155	CALHOUN, STANLEY T	0510624	16-Jan-2002	10:52:01 AM	CT ABD RENAL ST	CT	R FLANK PAIN R GRC	80	226
1588206	CANAS, RAMIRO	1804404	16-Jan-2002	4:55:11 PM	CT THORAX W/O	CT	HEMOPTYSIS	133	
1592964	CANEDO, NELLY CARMEN	1027592	17-Jan-2002	9:53:29 AM	CT RENAL-REDUCE	CT	59 YO FEMALE WITH	76	
1592773	CAPP, DARLENE	1838540	16-Jan-2002	10:57:15 PM	CT LMTD APPENDX	CT	ABD PAIN, HERNIA, N	89	
1592894	CHIANG, KENNETH F	1818722	17-Jan-2002	9:31:05 AM	CT HEAD W/O CNT	CT	HEADACHE-NOS	23	
1591953	COSTANZO, GAYLE H	1957799	16-Jan-2002	12:51:58 AM	CT NECK TISSU W	CT	NECK PAIN COARSE	40	
1592881	CURRAN, AUDREY D	1958035	17-Jan-2002	9:00:13 AM	CT HEAD W/O CNT	CT	COUGH, CONFUSION	23	
1592680	EDWARDS, ANTHONY D	1442702	16-Jan-2002	4:43:21 PM	CT HD W/O CON	CT	SEIZURE	123	

- Dr. Meyers searches for a recent pelvic CT, too tired to remember patient's name

# Example

WEB1000

Study Thumbnail Image Report

WEB1000

Location Date Modality Body part Search Criterion 4

All locations Last 2 days CT EXTREMETIES

Patient Name Patient ID

Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description	Modality	Reason
1592555	GUYMON, LUCINDA A	1937355	16-Jan-2002	3:20:06 PM	CT HD W/O CON	CT	
1592414	READ, MARJORIE C	1957704	16-Jan-2002	2:26:04 PM	CT HEAD W/O CNT	CT	
MACIAS, RAFAE	1957901						
1588385	RHOADS, SHARON ANN	1956780	16-Jan-2002	2:01:20 PM	CT LMTD OR FU	CT	
TAKAGI, TAEKO	1955232						
1590760	YU, QIN NONE	1915251	16-Jan-2002	1:05:16 PM	CT THORAX W/O	CT	
1588097	TEEGARDEN, PAUL W	1410408	16-Jan-2002	1:02:55 PM	CT THORAX WOW	CT	
1592307	AVILA, GILBERT	1104920	16-Jan-2002	12:44:51 PM	CT HD W/O CON	CT	
1592165	BLAKE, KEVIN	0904704	16-Jan-2002	12:37:26 PM	CT THRX W/CONT	CT	
1590629	MANCINO, MATHEW NEED	1952524	16-Jan-2002	11:52:19 AM	CT MXFX W/CONT	CT	

- Dr. Brage looks for a recent foot CT, but finds out that the “body part” button does not work perfectly

# Example

The screenshot shows a software interface for a medical imaging system. At the top, there are tabs for 'Study', 'Thumbnail', 'Image', 'Report', and 'Conference'. Below the tabs is a toolbar with various icons for navigation and search. A search bar contains several dropdown menus: 'Location', 'Patient Name' (set to 'Russell'), 'Search Criterion 2', 'Search Criterion 3', 'Search Criterion 4', and 'Search Criterion 5'. Below the search bar are two buttons: 'Patient Name' and 'Patient ID'. The main area displays a table of search results.

Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description	Modality	Reason For Study	Images
1585853	RUSSELL, ELLEN SUMMEI	1891696	11-Jan-2002	9:19:25 AM	T-SPINE MRI	MR	DISCITIS	98
1583481	RUSSELL, GIRLA	1955367	04-Jan-2002	2:19:26 PM	ECHO ENCEPH	US	PREMATURITY	32
RUSSELL, GIRI 1955368								
RUSSELL, HAR 0891257								
RUSSELL, JUI 1951175								
1579728	RUSSELL, MARYANNE D	1937140	02-Jan-2002	7:11:43 PM	BRAIN MRI	MR	TINGLING, TWITCHIN	236
RUSSELL, PATI 1158938								
1560373	RUSSELL, ROSALYN VANE	1737709	18-Dec-2001	12:09:55 PM	OB ECHO MULTI	US	G3P1 TWINS GEST. C	51
RUSSELL, TOM 1944522								
1564452	RUSSELL, WILLIAM M	1464072	11-Dec-2001	10:40:39 AM	MYO PERF MULT	NM	CAD	1
1590622	RUSSELLEVANS, DONNA I	1948922	15-Jan-2002	3:50:02 PM	ECHO OB F U-RPT	US	BORDERLINE VENTE	34

- Dr. Pedowitz remembers the patient's name but can not remember what he ordered



# Select patient from list

WEB1000

Study Thumbnail Image Report Conference

WEB1000

Location Date Modality Search Criterion 3 Search Criterion 4 Search Criterion 5

All locations Today MR

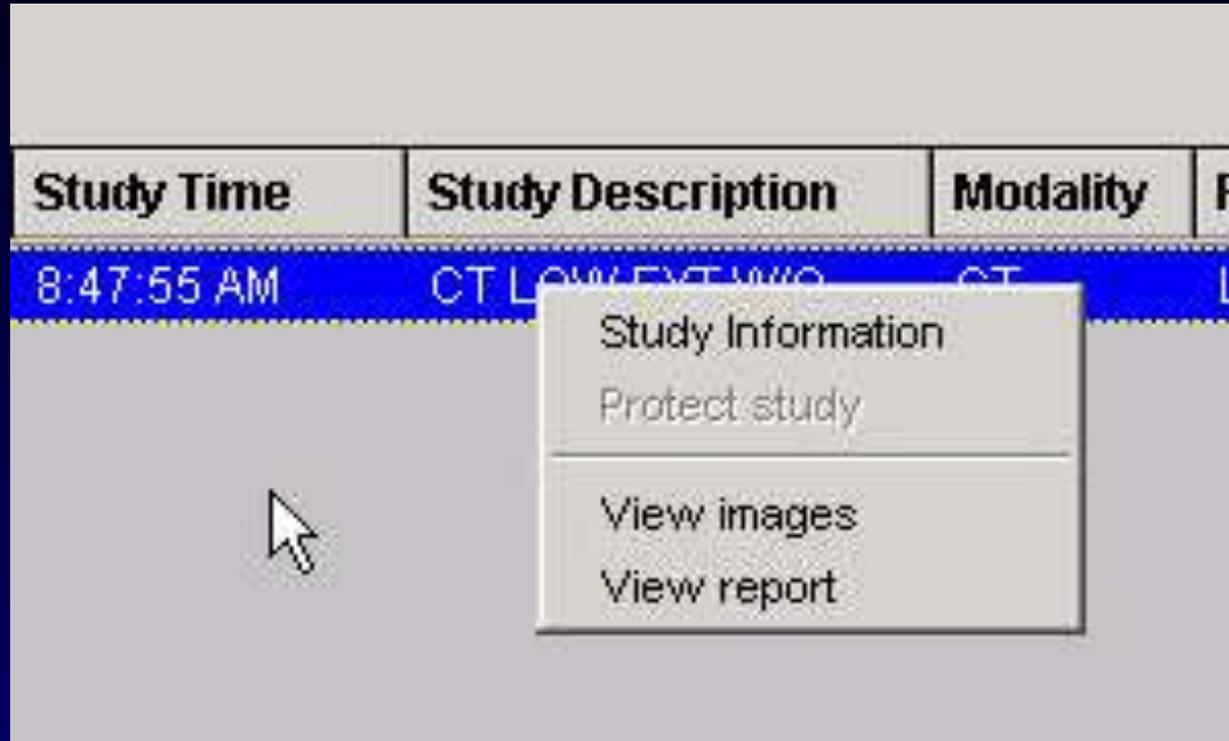
Patient Name Patient ID

Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description	Modality	Reason For Study	Images	Patient ID
1583189	DUNGA, ROSALIA J	1642964	17-Jan-2002	11:51:51 AM	ABDOMEN MRI	MR	HEPATOCELLULAR L	101	
1592918	HOLLAND, DIANE T	1253503	17-Jan-2002	9:36:43 AM	PELVIS MRI	MR	PINTO/MATTREY PRC	111	
1578403	KLAT, CASIMIR	1763516	17-Jan-2002	10:22:46 AM	ABDOMEN MRI	MR	EVAL HCC	550	225
1591522	MILLER, NADINE SHARON	1310424	17-Jan-2002	6:50:05 AM	ANKLE MRI	MR	OSTEOMYELITIS	222	
1590568	SANDERS, PATRICIA A	0874449	17-Jan-2002	7:41:33 AM	L-SPINE MRI	MR	SEVERE LBP	79	
1592062	SMITH, WILLIAM T	1957471	17-Jan-2002	11:11:14 AM	BRAIN MRI	MR	COLLOIS CYST	310	834
STEWART, TAN 1697394									
1583155	WALLACE, MARJEAN ELIZA	1209762	17-Jan-2002	8:17:18 AM	L SPINE W/S,C,I	MR	S/P FUSION,LEG PAI	129	

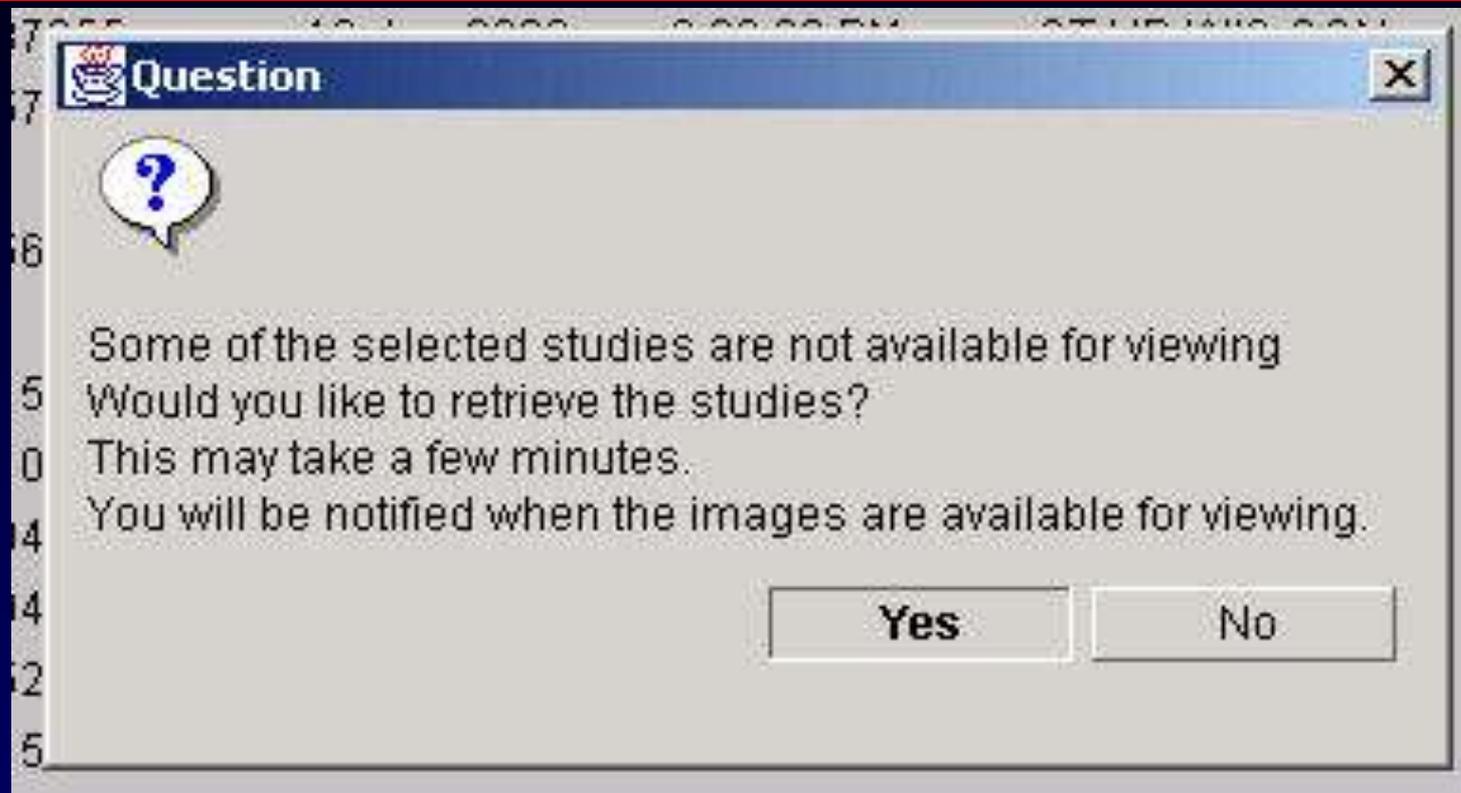
- Single click name of the patient to highlight it
- Then click thumbnail, image, or report buttons on top

# Select patient from list

- Right click name to access choices
- Double-click name to go straight to images



# Older studies



- Studies >60 days old go to a separate cache
- Inexplicably, a few new studies also go to this cache
- Select yes and wait for study to appear, may take a few minutes

# Folders

Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description
1594303	GOLDBERG, JACK	1998382	18-Jan-2002	4:31:39 PM	CT RENAL-REDUCE
1593727	INNIS JR, DONALD ALWYN	1774076	18-Jan-2002	1:06:02 AM	CT HD W/O CON
1594290	JODOIN, KELLI ELIZABETH	1375033	18-Jan-2002	4:43:46 PM	CT HEAD W/O CNT
1594046	KILEY, RICHARD FRANCIS	0479750	18-Jan-2002	12:13:39 PM	CT HD W/O CON
1589034	KRISTOFETZ, WILLIAM STE	1570303	18-Jan-2002	2:35:18 PM	CT ABD RENAL ST
1593925	LOPEZ, GIRL	1958213	18-Jan-2002	2:52:34 PM	CT HD W/O CON
1593735	MAGALLANES, GUADALUP	0560370	18-Jan-2002	1:59:24 AM	CT ABD REDUCED
1587921	MAMEDE, ROBERT S	1200307	18-Jan-2002	10:12:28 AM	CT HEAD W/CNTRS
 1591423	MCINTYRE, JOH	1951423			
1593486	MERLANT, GERALD N	1956825	18-Jan-2002	6:36:01 PM	CT THRX W/CONT
1587496	MUN, JENNY JUNGIN	1916876	18-Jan-2002	4:08:20 PM	CT RENAL-REDUCE
1577538	PIERCE, DON WILLIAM	1954349	18-Jan-2002	10:04:47 AM	CT MAXILLOFA WO

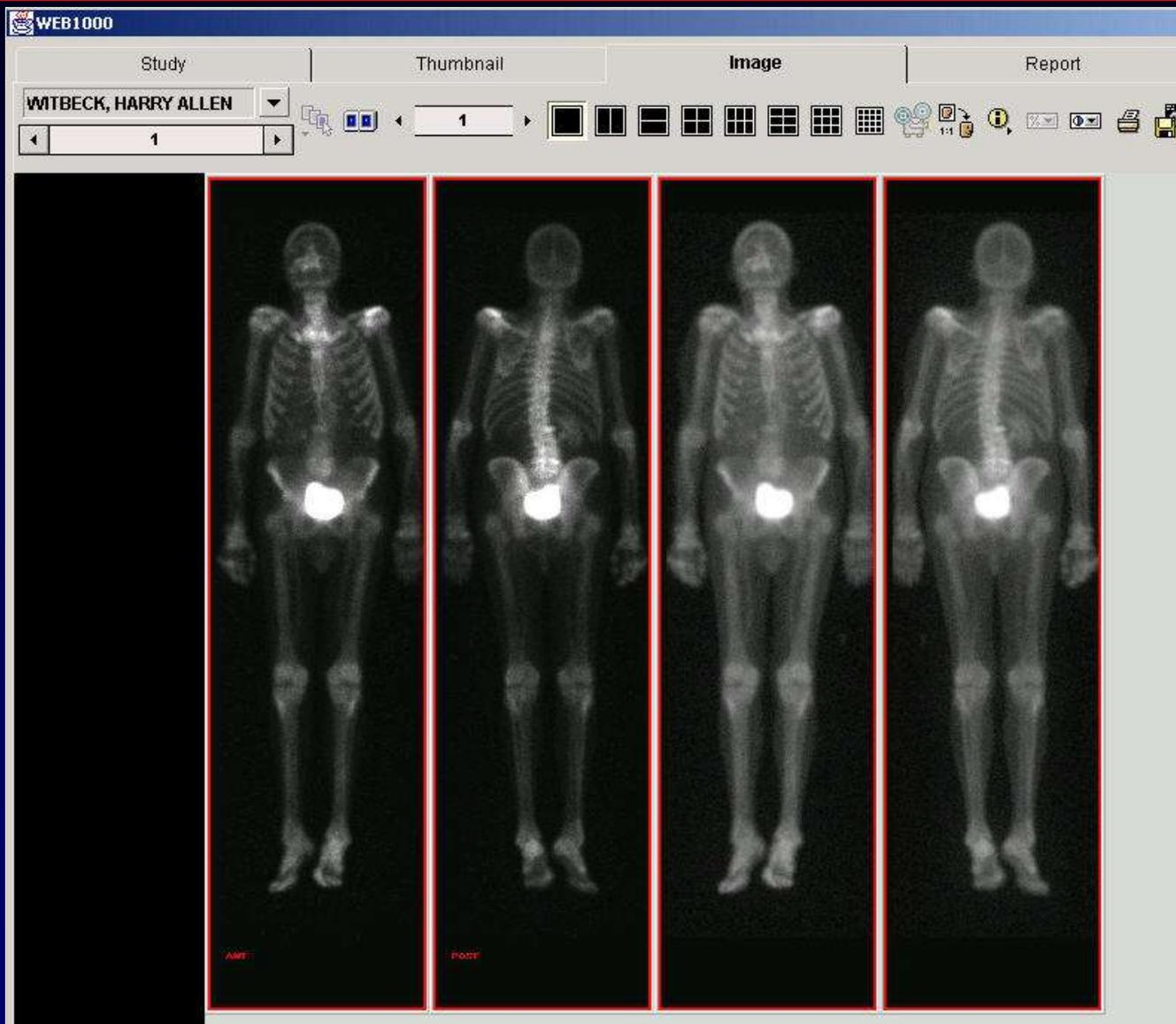
- Some patients with multiple exams done at the same time will be listed as a folder
- Hit the + to the left of the folder to view study details
- Do not double click the name or it will try to load everything, which takes forever...

# Open folder

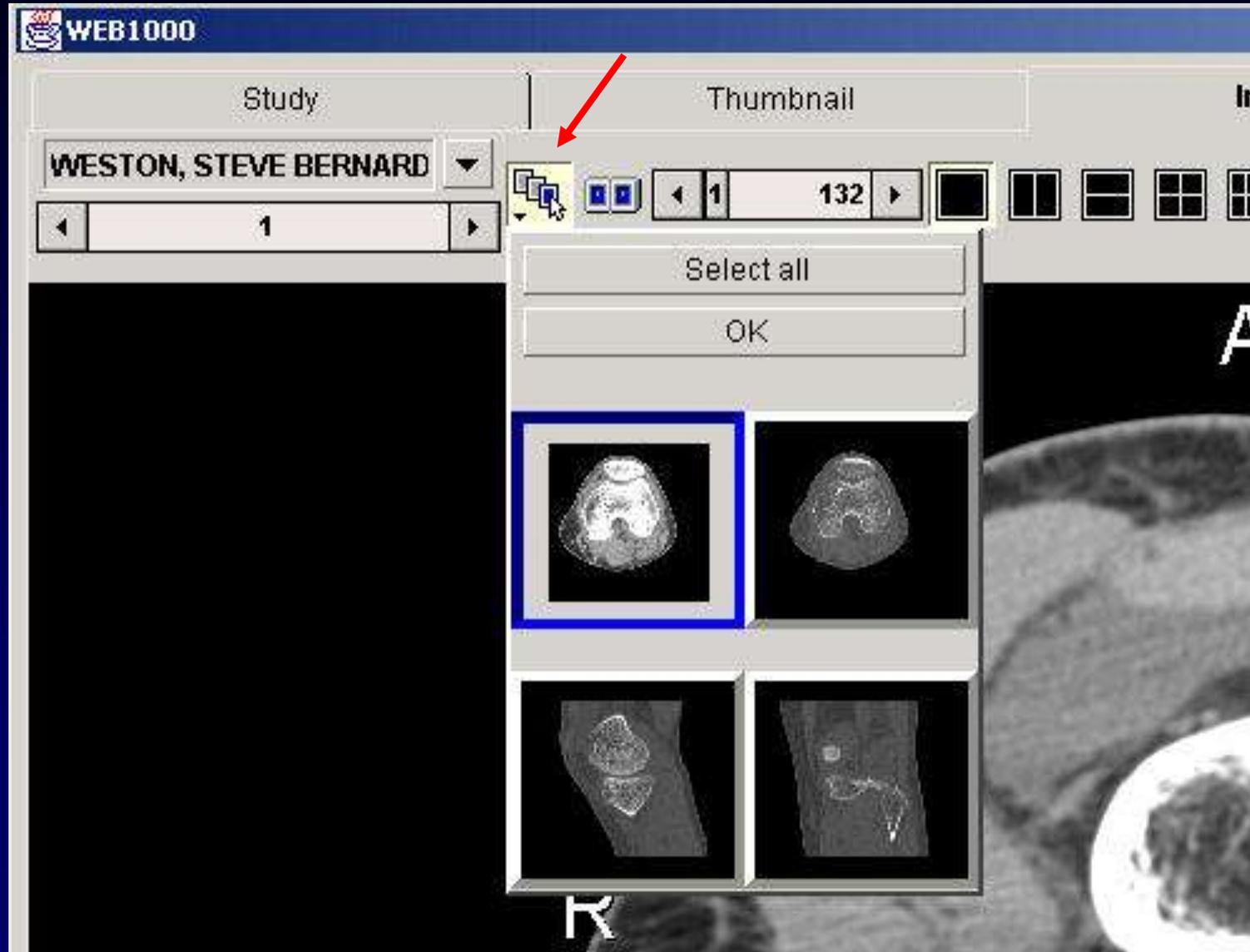
Accession Number	Patient Name	Patient ID	Study Date	Study Time	Study Description	Mod
1594303	GOLDBERG, JACK	1958382	18-Jan-2002	4:51:39 PM	CT RENAL-REDUCE	CT
1593727	INNIS JR, DONALD ALWYN	1774076	18-Jan-2002	1:06:02 AM	CT HD W/O CON	CT
1594290	JODOIN, KELLI ELIZABETH	1375033	18-Jan-2002	4:43:46 PM	CT HEAD W/O CNT	CT
1594046	KILEY, RICHARD FRANCIS	0479750	18-Jan-2002	12:13:39 PM	CT HD W/O CON	CT
1589034	KRISTOFETZ, WILLIAM STE	1570303	18-Jan-2002	2:35:18 PM	CT ABD RENAL ST	CT
1593925	LOPEZ, GIRL	1958213	18-Jan-2002	2:52:34 PM	CT HD W/O CON	CT
1593735	MAGALLANES, GUADALUP	0560370	18-Jan-2002	1:59:24 AM	CT ABD REDUCED	CT
1587921	MAMEDE, ROBERT S	1200307	18-Jan-2002	10:12:28 AM	CT HEAD W/CNTRS	CT
+	MCINTYRE, JOHN	1951423				
-	1594066	MCINTYRE, JOHN	18-Jan-2002	12:48:57 PM	CT ORB/SLA W/O	CT
-	1594065	MCINTYRE, JOHN	18-Jan-2002	12:48:57 PM	CT HD W/O CON	CT
1593486	MERLANT, GERALD N	1956825	18-Jan-2002	6:36:01 PM	CT THRX W/CONT	CT
1587496	MUN, JENNY JUNGIN	1916876	18-Jan-2002	4:08:20 PM	CT RENAL-REDUCE	CT
1577538	PIERCE, DON WILLIAM	1954349	18-Jan-2002	10:04:47 AM	CT MAXILLOFA W/O	CT

- After you hit the + sign, the study details become visible immediately

# Image mode

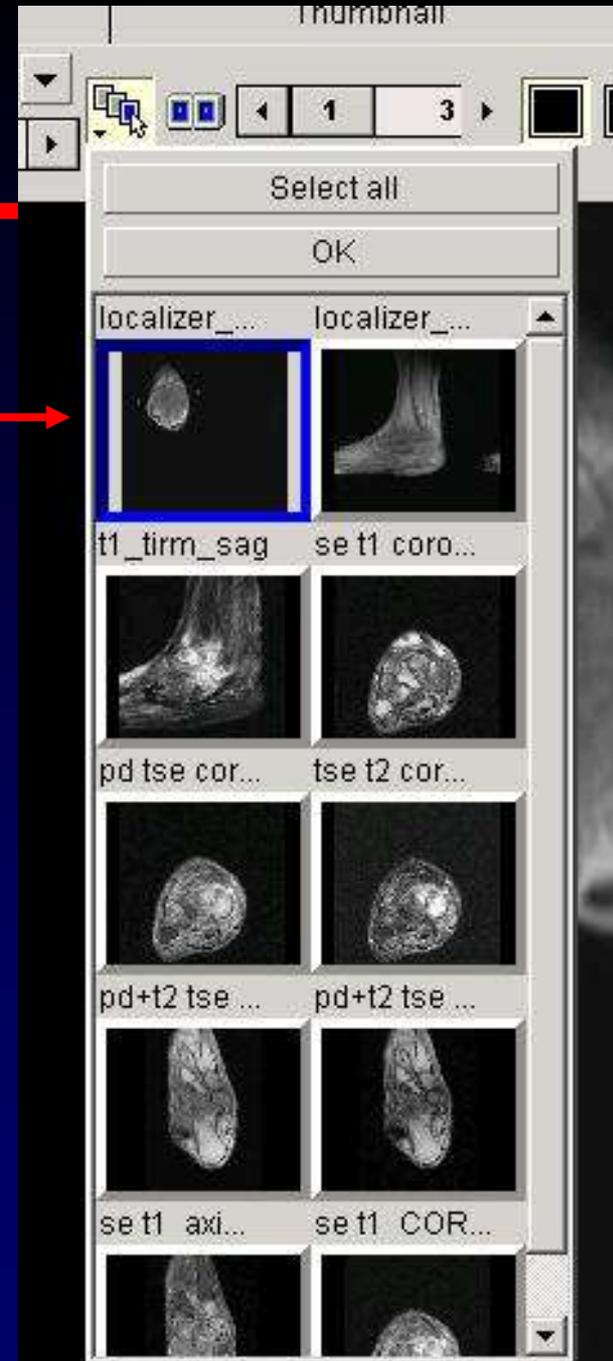


# Select series



# Blue box

- Blue box is the series you have selected for viewing
- Name of series listed above on MR exams
- Can select one or all series
- Hit OK button to view series you have selected

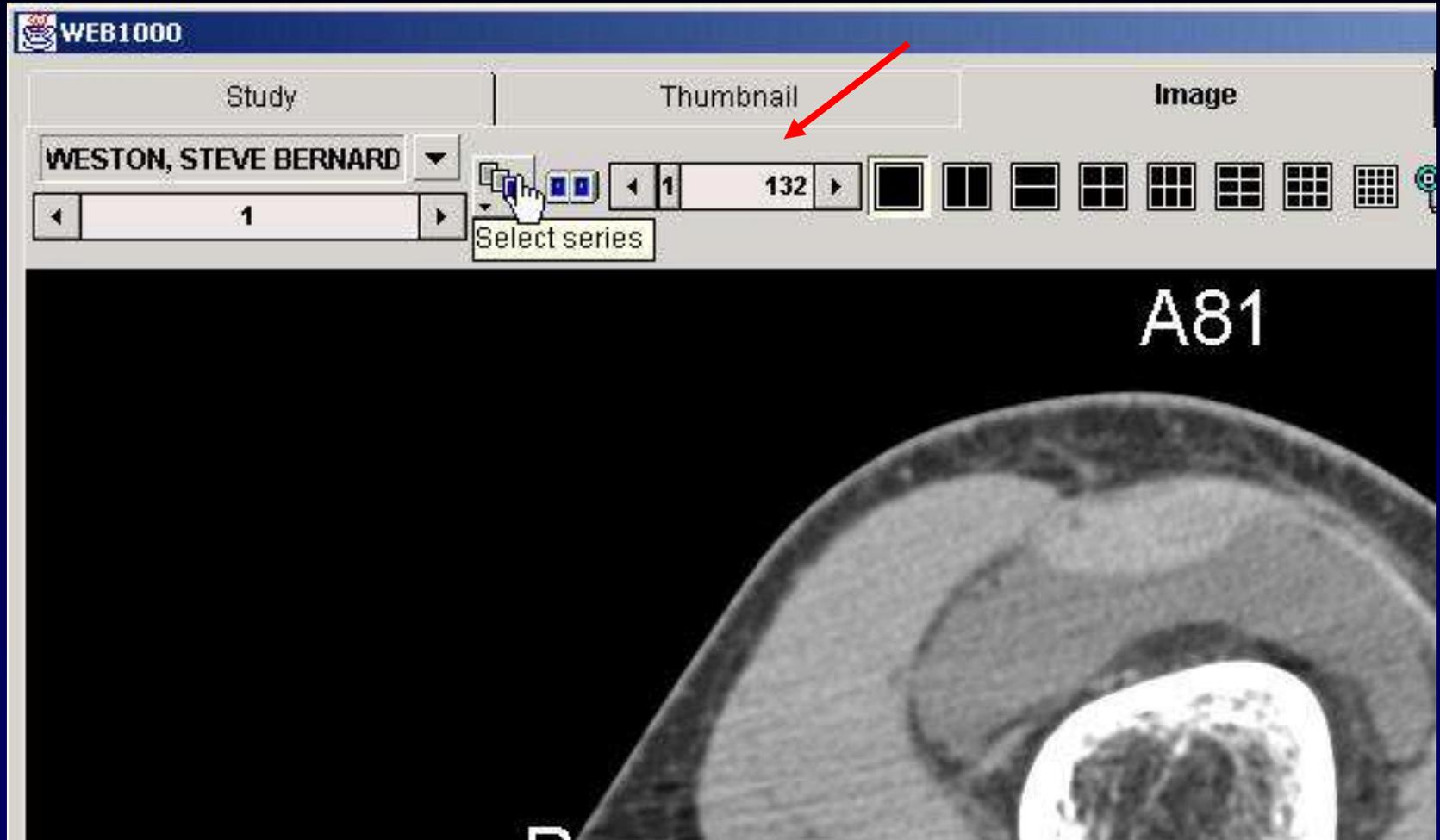


# View series

- Sometimes the OK button does not appear
- Just select your series and hit this button again and the series you want will show up

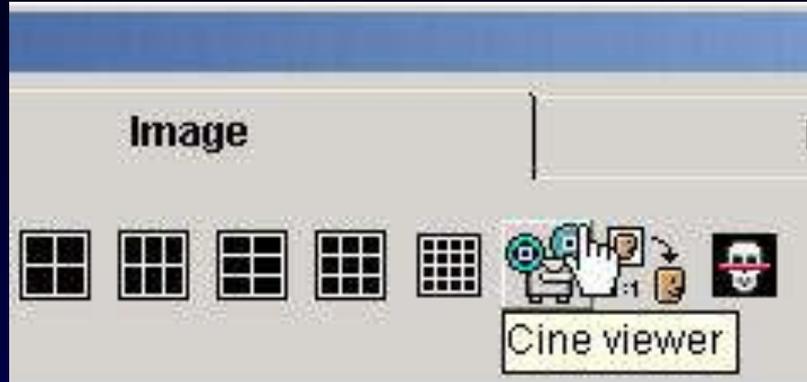


# Moving through the images



- Use sliding number bar to look at images

# Cine



Start Stop Loop Speed



# Cine mode

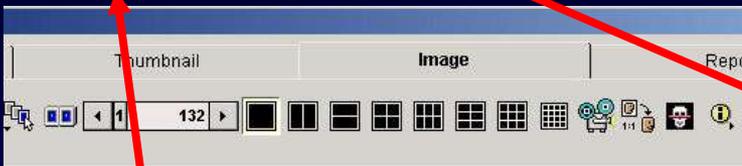
---

Cine mode loads all the images into your local memory

Once loaded (takes a minute or two), viewing images in the regular image mode is much faster



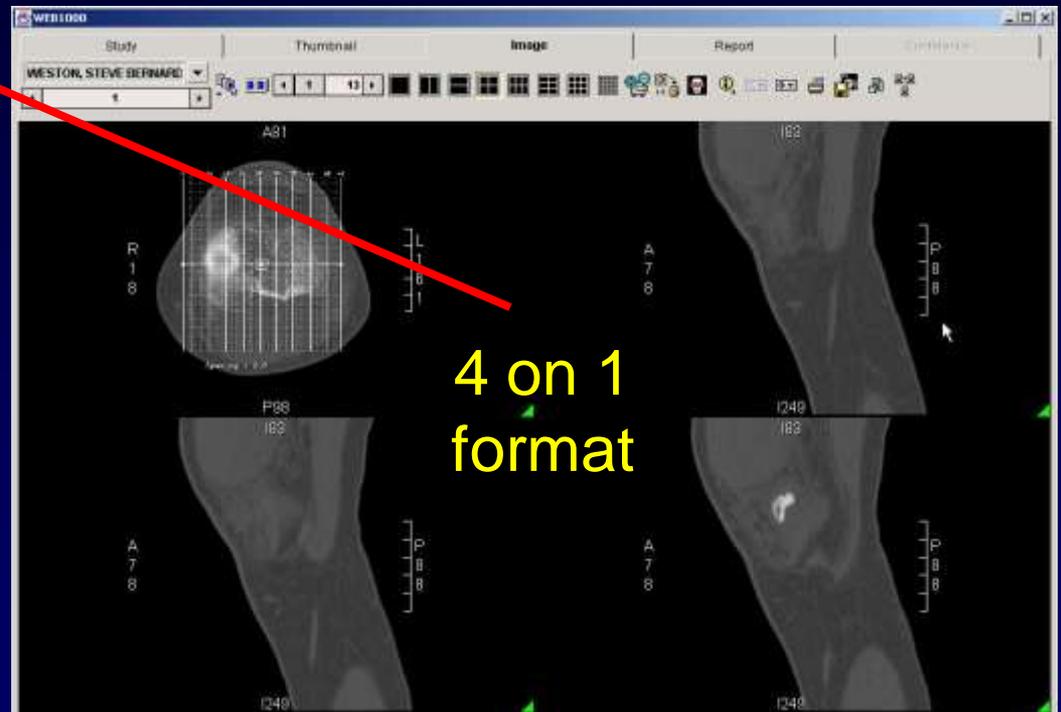
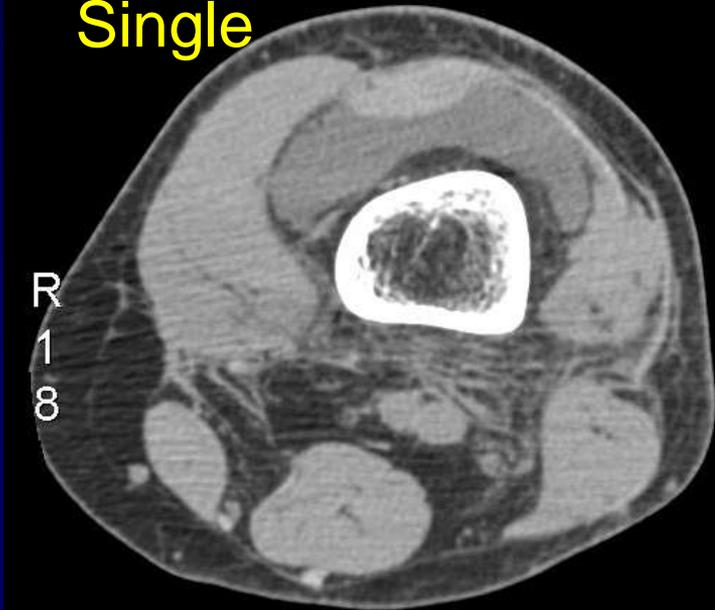
# Image formats



Single

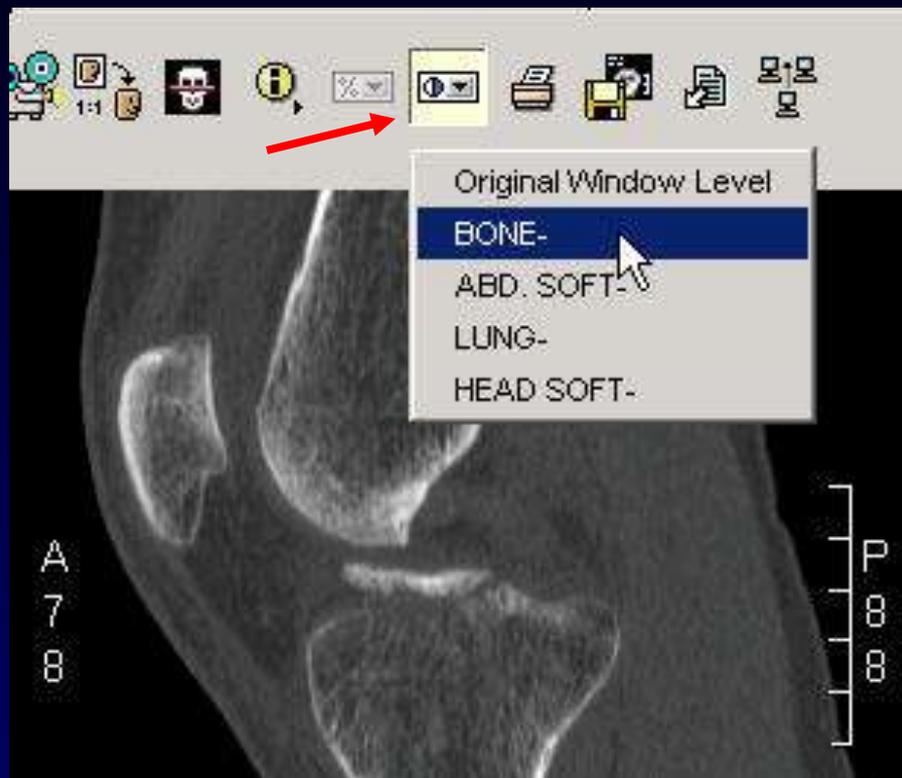
A81

R  
1  
8



4 on 1  
format

# Using preset windows



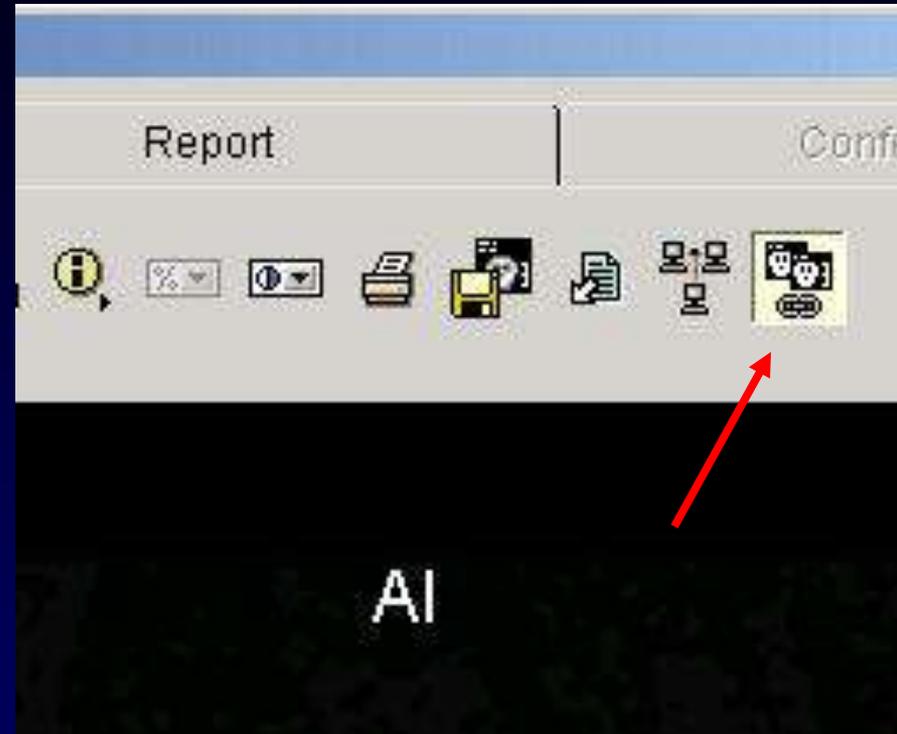
# Rewindowing the image

- Hold left mouse button down and scroll across and up and down the image
- If that does not work, right click and make sure you have windowing selected on the floating toolbar



# Rewindowing all the images

- Highlight the link button
- That way any rewindowing you do is applied to all the images in that series
- This button is not a default, need to add it to your toolbar by going to preferences button



# Scout (CT only) and attributes

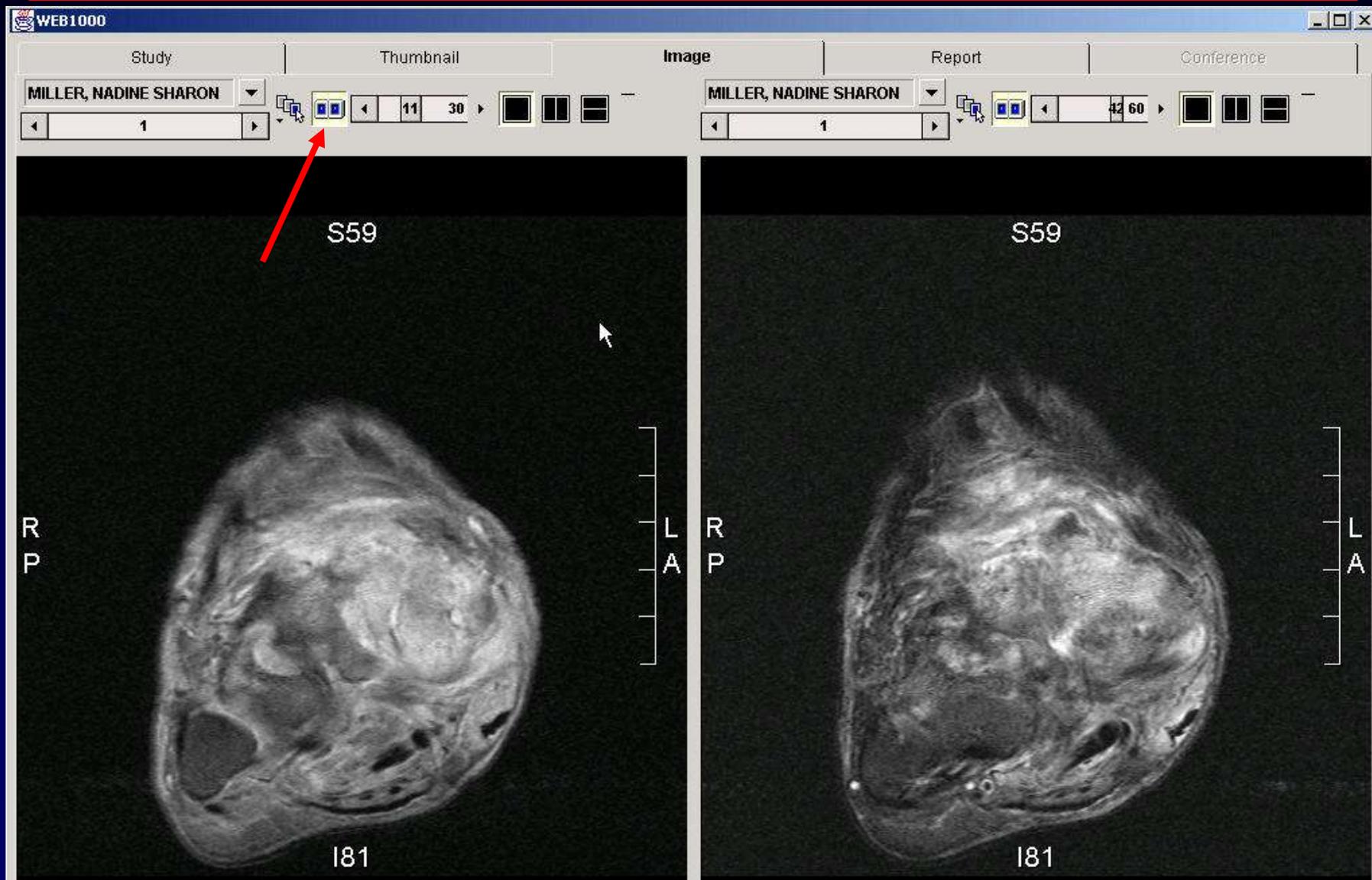
The image shows a screenshot of the Scout software interface. At the top, there is a 'Report' tab. Below it is a toolbar with various icons. One icon, representing a person with a skull, is highlighted with a mouse cursor, and a tooltip box labeled 'Display scout' is visible below it. Below the toolbar is a window titled 'Scout' which displays a CT scan of a knee. The scan shows the femur and tibia. On the left side of the scan, there is a vertical scale with the numbers 'P', '2', '6', and '5'. On the right side, there is a vertical scale with the number '90'. At the bottom of the scan, there is a horizontal scale with the number '1300'. Below the 'Scout' window is another toolbar with a similar icon highlighted by a mouse cursor. A dropdown menu is open below this icon, listing the following options with checkmarks:

- ✓ Show all attributes
- ✓ Show patient demographics
- ✓ Show study information
- ✓ Show image attributes

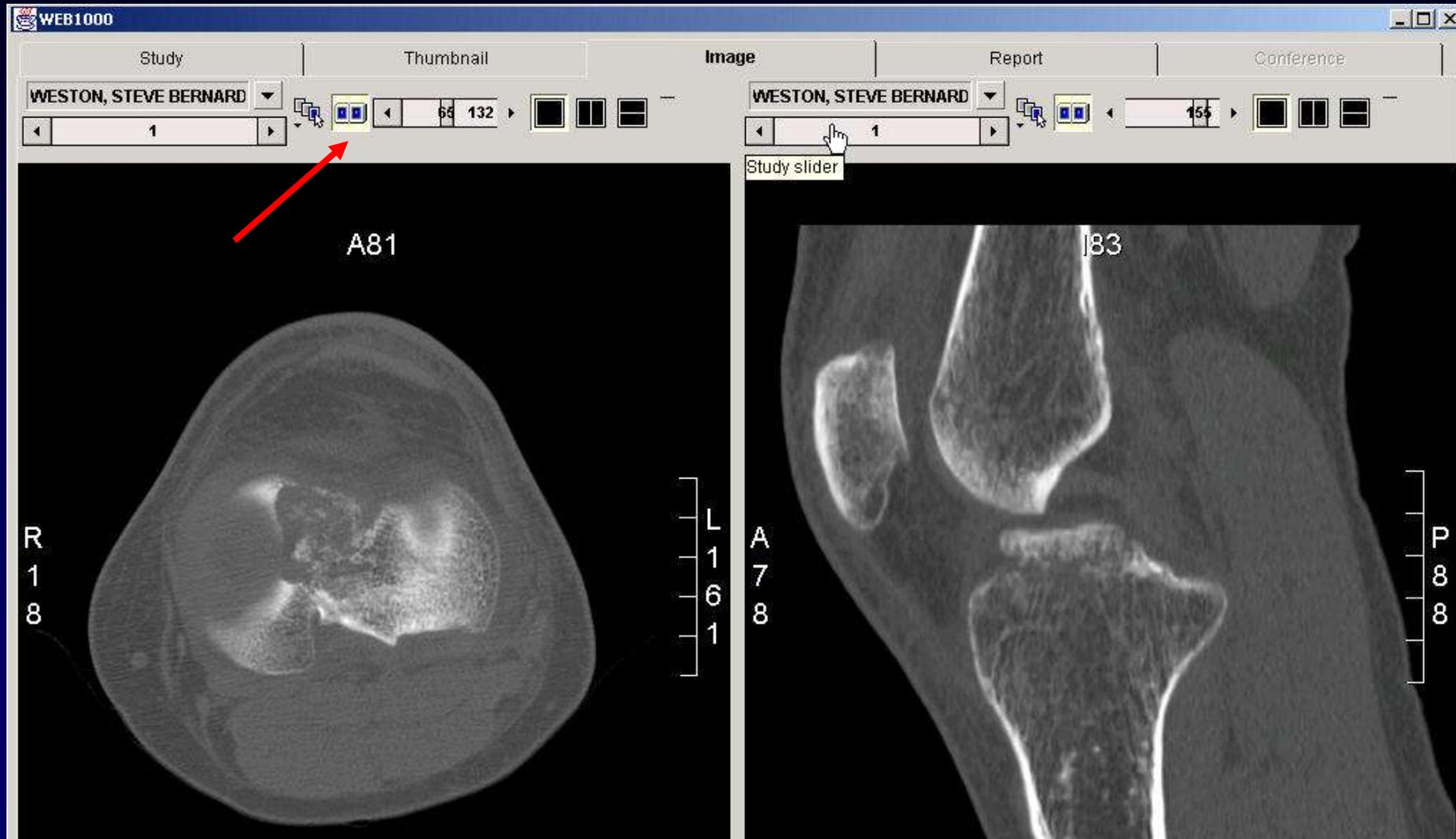
To the right of the dropdown menu, there is a text box containing patient information, which is circled in red:

WESTON, STEVE BERNARD  
M 1967281  
16-Jan-2002  
8:47:55 AM

# Split screen



# Split screen



# Split screen

WEB1000

Study: OPRMOLLO, FRANK BARI | Thumbnail: OPRMOLLO, FRANK BARI | Image: OPRMOLLO, FRANK BARI | Report: OPRMOLLO, FRANK BARI | Conference: OPRMOLLO, FRANK BARI

OPROMOLLO, FRANK BARI

1

3 5

OPROMOLLO, FRANK BARI

1

OPROMOLLO, FRANK	1951373	06 Jan 02	TIs 0.1	MI 0.6
UCSD HILLCREST	L7-4 P Vasc/Ven	09:50:14	Fr #23	3.9 cm

Map 1  
170dB/C 3  
Persist Med  
2D OptGen  
Fr Rate:Max

RT POP V

**Study Time:** 10:00:00 AM  
**Requesting physician:** HOYT, DAVID B  
**Study Description:** DUP L EX VEIN L  
**Procedure code:** H9391L  
**Procedure description:** DUP L EX VEIN L  
**Resource Name:** VASC1  
**Modality:** US

### Report Information

**Report Status:** APPROVED  
**Diagnostic Code:** N/A  
**Impression:**  
IMPRESSION: No evidence of deep venous thrombosis.  
I have reviewed the image(s) and agree with the resident's interpretation.

**Interpretation Date:** 09-Jan-02  
**Interpretation Time:** 1:01:00 PM  
**Interpretation transcribed:**  
CLINICAL HISTORY: Status post motorcycle accident. Increased risk for deep venous thrombosis.  
FINDINGS: Imaging of the deep venous system of both lower extremities was performed with visualization from the common femoral vein to the popliteal veins; however, the left popliteal vein is nonvisualized.  
There is normal compressibility and flow with no intraluminal thrombus.

**Report Author:** BERKEY, AARON J  
**Interpretation Approver:**

WEB1000

Study Thumbnail Image Report Conference

WESTON, STEVE BERNARD

1

Series selected/total images Series Description

▶	1	0/134
▶	2	0/134
▶	3	0/51
▶	4	0/47

Thumbnail Image Report

Thumbnail Image Report

**Report Information**

**Report Status:** APPROVED

**Diagnostic Code:** N/A

**Impression:**

IMPRESSION: Anterior cruciate ligament tear which appears to be subacute or chronic based on MR imaging.

**Interpretation Date:** 15-Jan-02

**Interpretation Time:** 7:11:00 AM

**Interpretation transcribed:**

HISTORY: Pain, evaluate for medial collateral ligament injury on left.

PULSE SEQUENCES: Images were obtained on a 1.5 Tesla superconducting magnet as follows: Axial, coronal and sagittal images were obtained using a combination of T1 and T2 weighted imaging.

FINDINGS: The anterior cruciate ligament is abnormal. The ligament is attenuated and lax is appearance with anterior translation of the lateral tibia relative to the femur indicating ACL insufficiency. The anterior cruciate ligament does not demonstrate significant high signal within its substance suggesting that the patient's ACL injury is subacute or chronic. There is also no bone marrow edema to suggest a recent trauma.

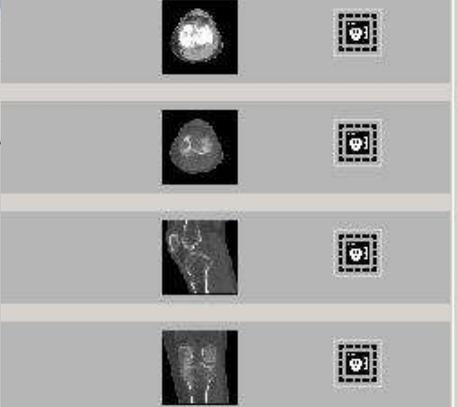
The medial collateral ligament is normal. The lateral collateral ligamentous complex is normal. Both menisci are normal. No osseous abnormalities are present.

Note is made of a small effusion and a small Baker's cyst posterior to the medial femoral condyle. There is no evidence of cyst rupture.

**Report Author:** PATHRIA, MINI N

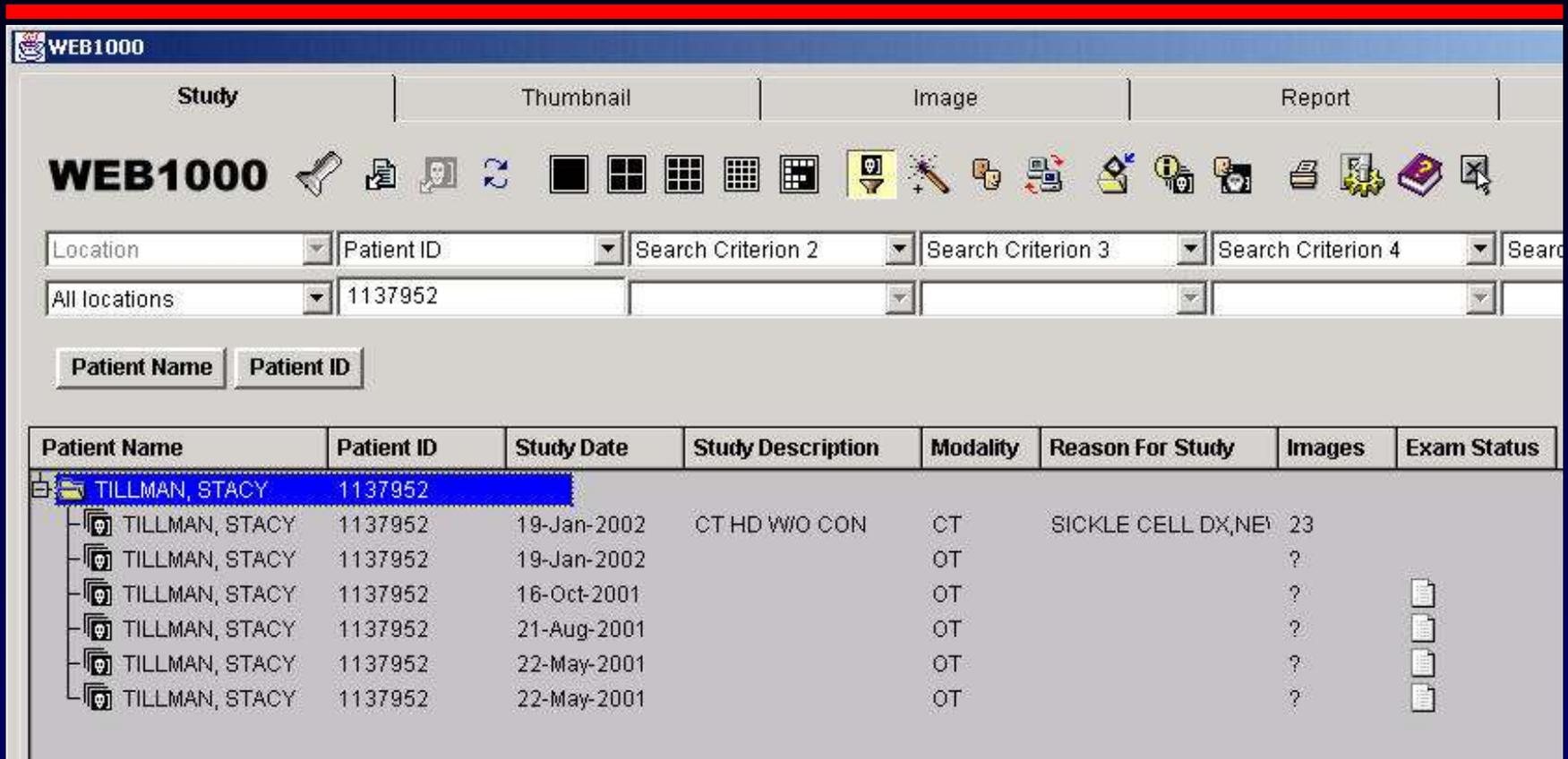
**Interpretation Approver:**

key image



Thumbnail and report modes

# IDXRAD integrations



The screenshot displays the WEB1000 interface with a search results table. The table has the following columns: Patient Name, Patient ID, Study Date, Study Description, Modality, Reason For Study, Images, and Exam Status. The first row is highlighted in blue and shows a folder icon next to the patient name 'TILLMAN, STACY' and Patient ID '1137952'. Below this, there are six rows of study data for the same patient.

Patient Name	Patient ID	Study Date	Study Description	Modality	Reason For Study	Images	Exam Status
 TILLMAN, STACY	1137952						
 TILLMAN, STACY	1137952	19-Jan-2002	CT HD W/O CON	CT	SICKLE CELL DX, NEI	23	
 TILLMAN, STACY	1137952	19-Jan-2002		OT		?	
 TILLMAN, STACY	1137952	16-Oct-2001		OT		?	
 TILLMAN, STACY	1137952	21-Aug-2001		OT		?	
 TILLMAN, STACY	1137952	22-May-2001		OT		?	
 TILLMAN, STACY	1137952	22-May-2001		OT		?	

The reports from IDXRAD for nondigital modalities are being integrated with the Web1000. Description of study and reason for study are not yet integrated.

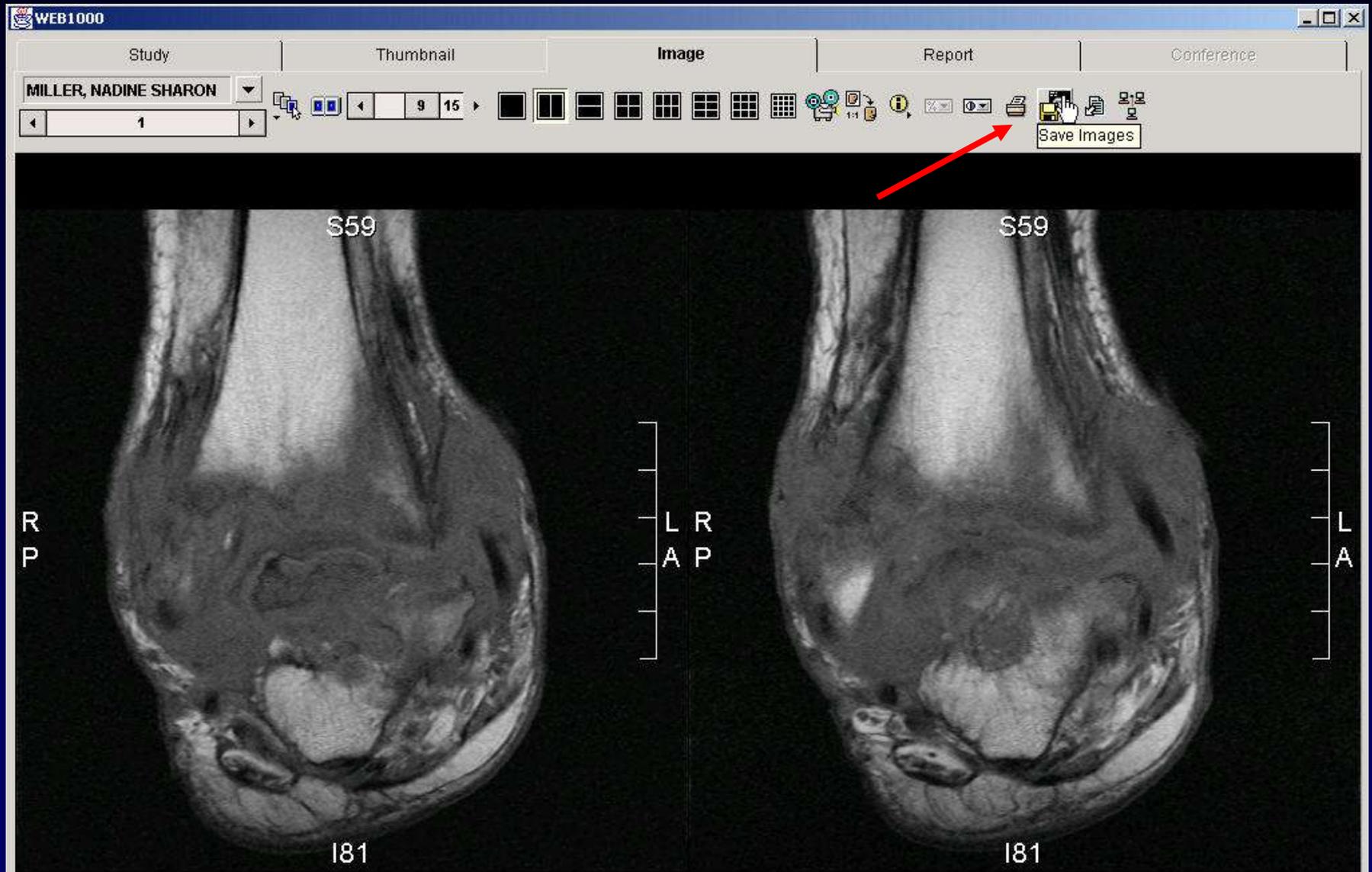
# Advanced features

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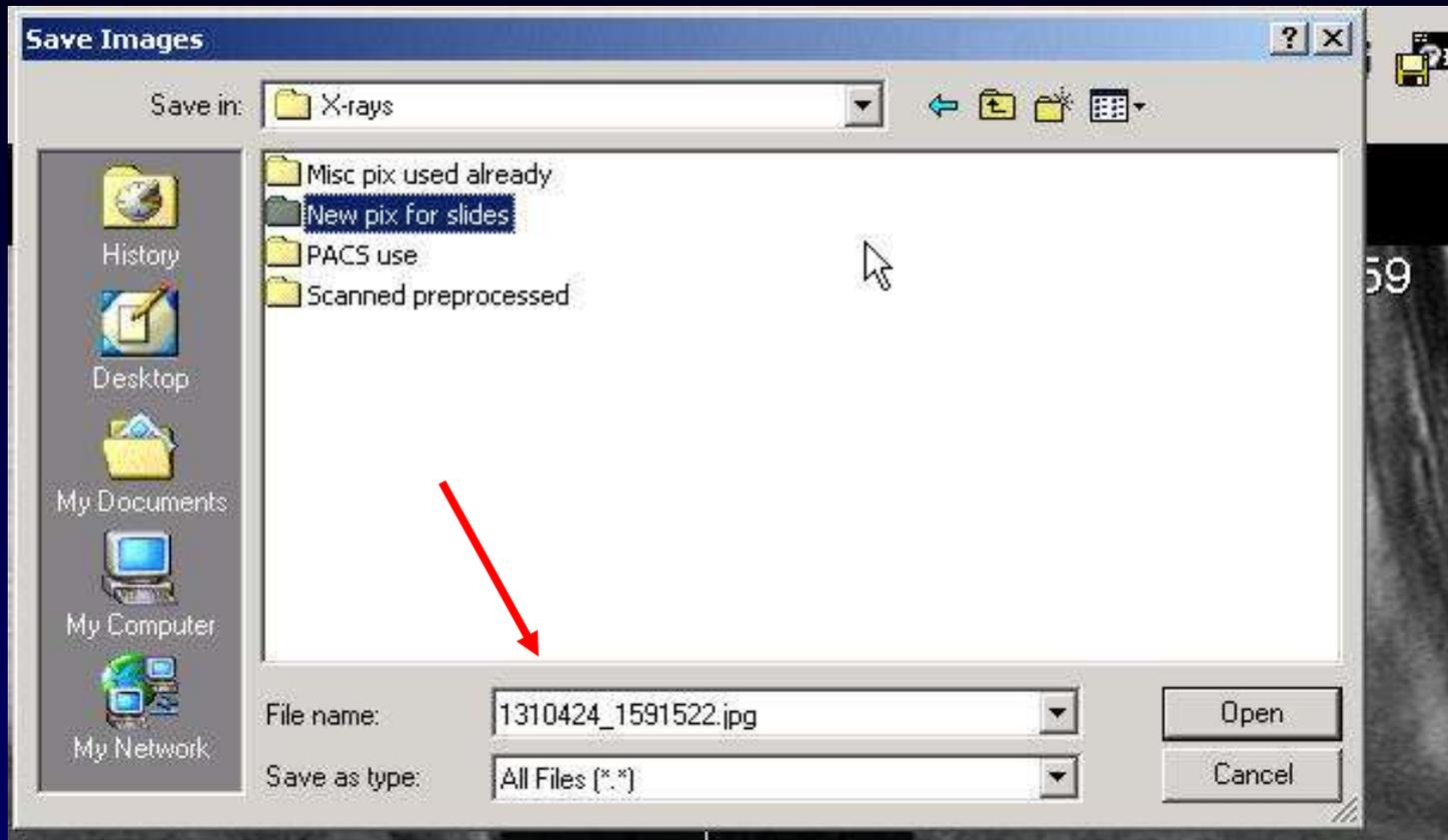
- Not for computer geeks only!
- Saving images
- Preferences
- Conferencing



# Saving images



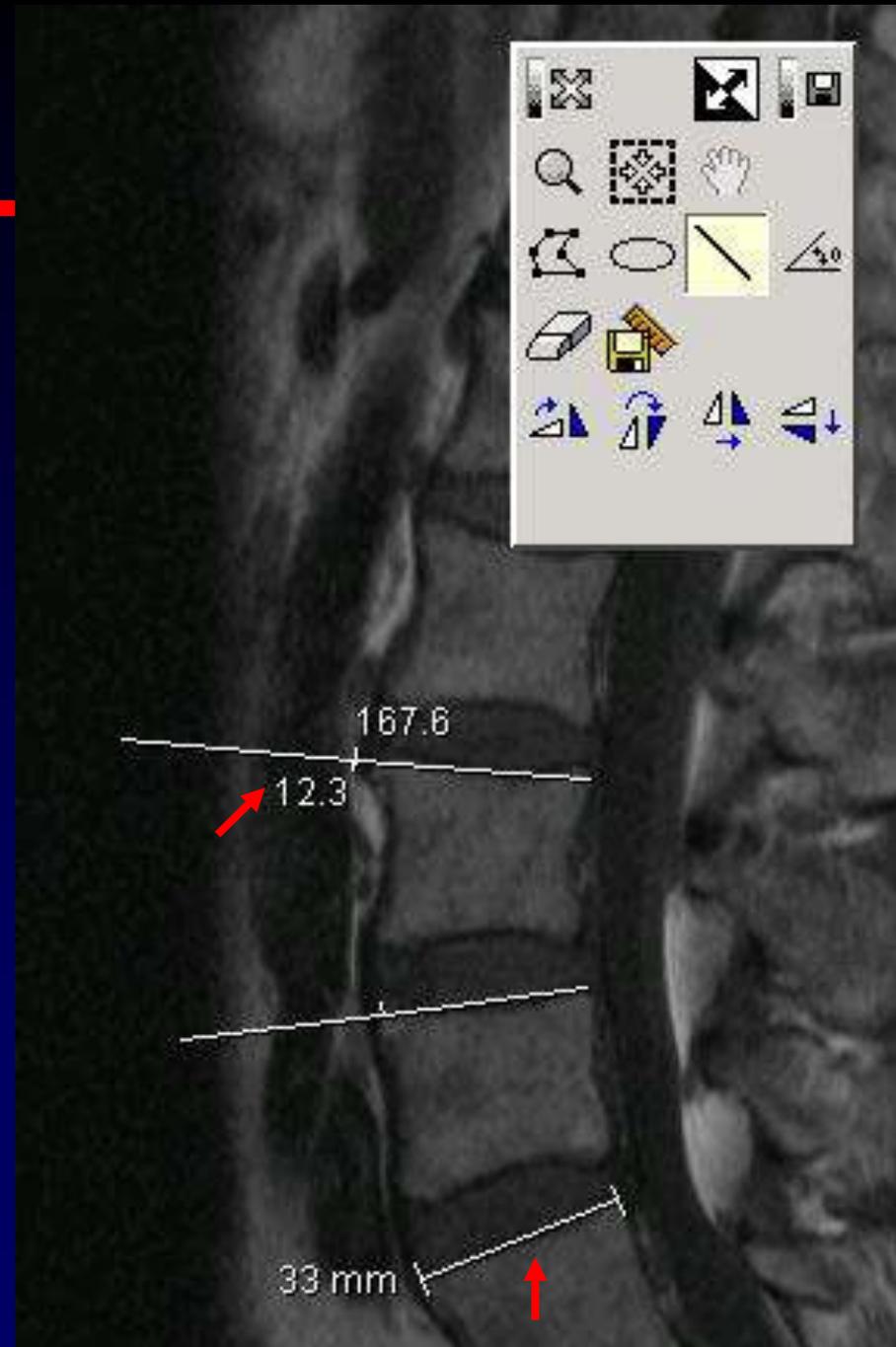
# Saving images



- You can save images to hard drive or to floppy
- Default save type is jpg, default name is MRN
- Average file size is 100 kbytes per image

# Annotation

- Right click away from the area you want to measure or annotate
- You can measure distances and angles



# Preferences



- Set up the Web1000 for the way you use it
- Changes you make will be saved in your profile only!



# Preferences Study

**Study** | Wizards | Machine Profile | Toolbar layout | Image

Show tool tips

Lossy compression enabled by default

**Selected columns:**

- Patient Name
- Patient ID
- Study Date
- Study Description
- Modality
- Reason For Study
- Images
- Exam Status

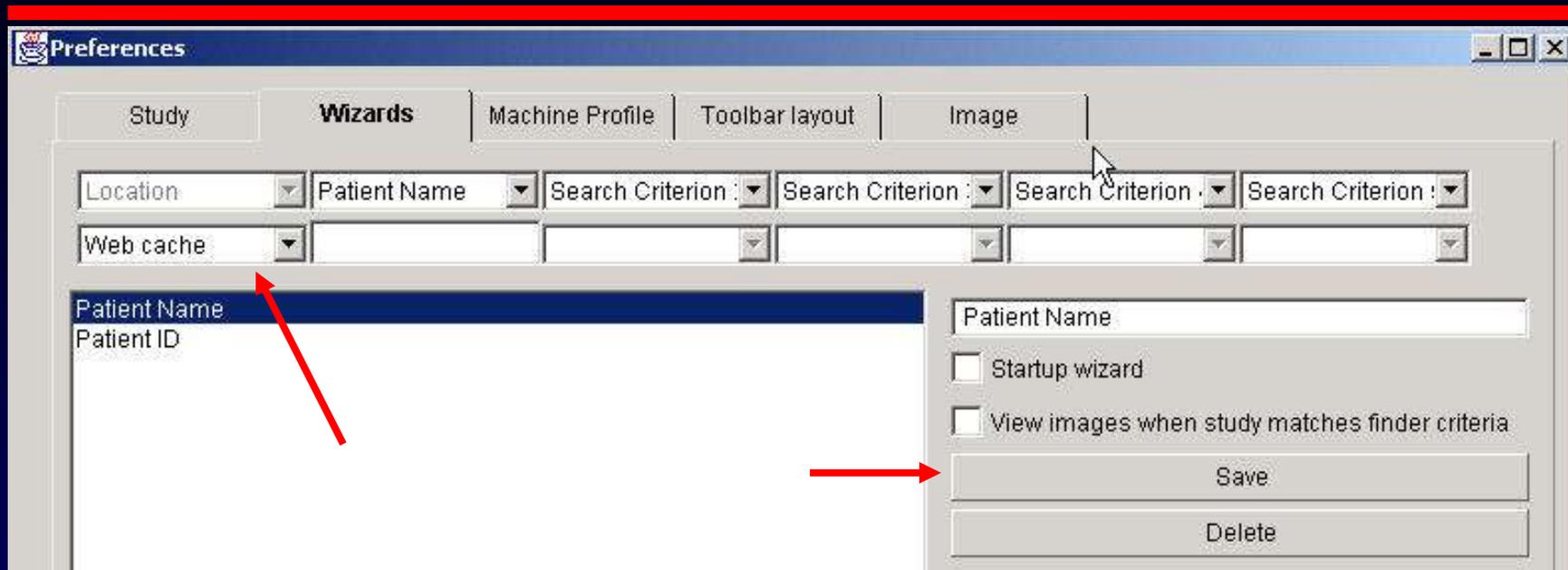
**Available columns:**

- Patient Name
- Patient ID
- Accession Number
- Study Date
- Study Time
- Study Description
- Study Comment
- Referring Physician
- Modality
- Exam Status
- Patient Location
- Department
- Images
- Reason For Study
- Specialty
- Body part
- Image status

This column setup is mine, not the default. Default includes accession number, time and other useless information

Apply | Cancel

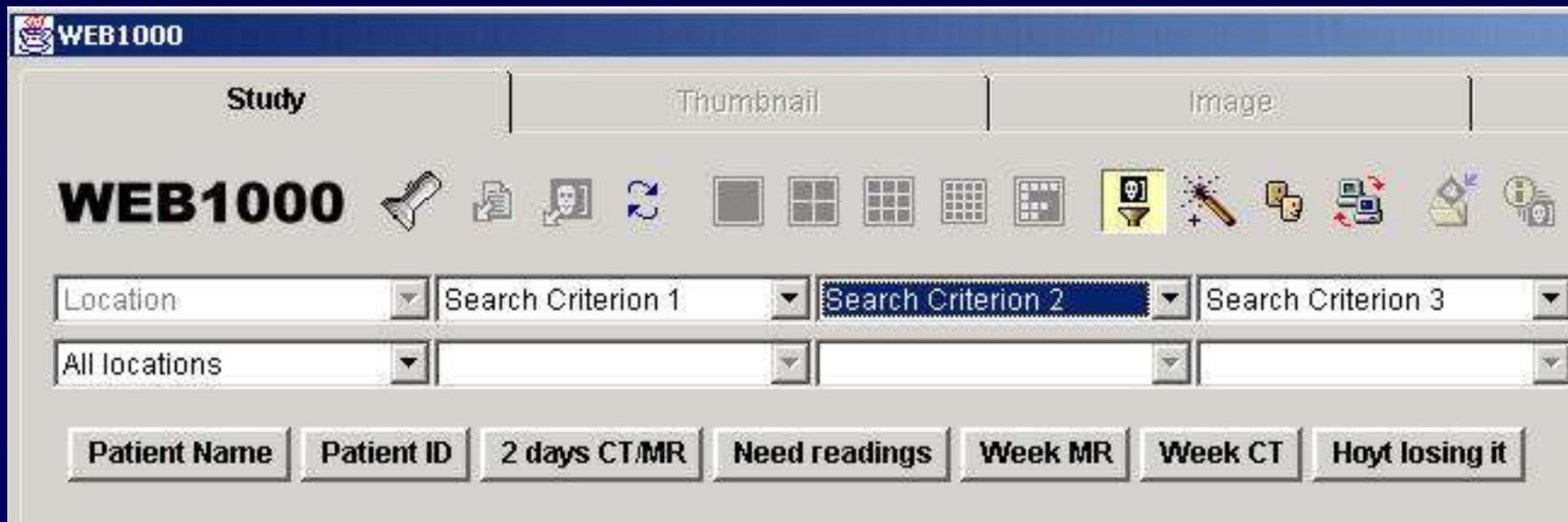
# Preferences: Wizards



- Manage your wizards in the preferences options
- A startup wizard determines what happens when you first start up the webserver
- Default wizards are Patient name and Patient ID
- Change them to “all locations” and save that change

# Wizards

- Once you have a set of criteria you like, make it a wizard
- You can have multiple wizards



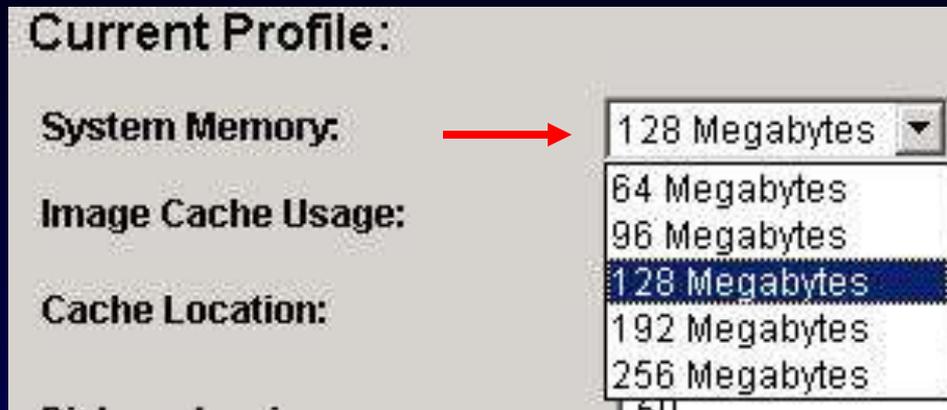
# Preferences: Machine profile

The image shows a screenshot of a software preferences window titled "Preferences". The window has a blue title bar with standard minimize, maximize, and close buttons. Below the title bar, there are five tabs: "Study", "Wizards", "Machine Profile", "Toolbar layout", and "Image". The "Machine Profile" tab is currently selected and highlighted. The main content area of the dialog is light gray and contains the following settings:

- Current Profile:** A label with a mouse cursor pointing to it.
- System Memory:** A dropdown menu showing "256 Megabytes".
- Image Cache Usage:** A dropdown menu showing "Medium Usage".
- Cache Location:** A text input field with a browse button (represented by a folder icon) to its right.
- Disk cache size:** A text input field containing "50", followed by the label "Megabytes" and a "Clear Local Cache" button.
- Proxy Server:** A text input field.
- Proxy Port:** A text input field.
- Disable proxy**
- Text and button size:** A group box containing two radio buttons:
  - Small (800x600)
  - Large (1600x1200)

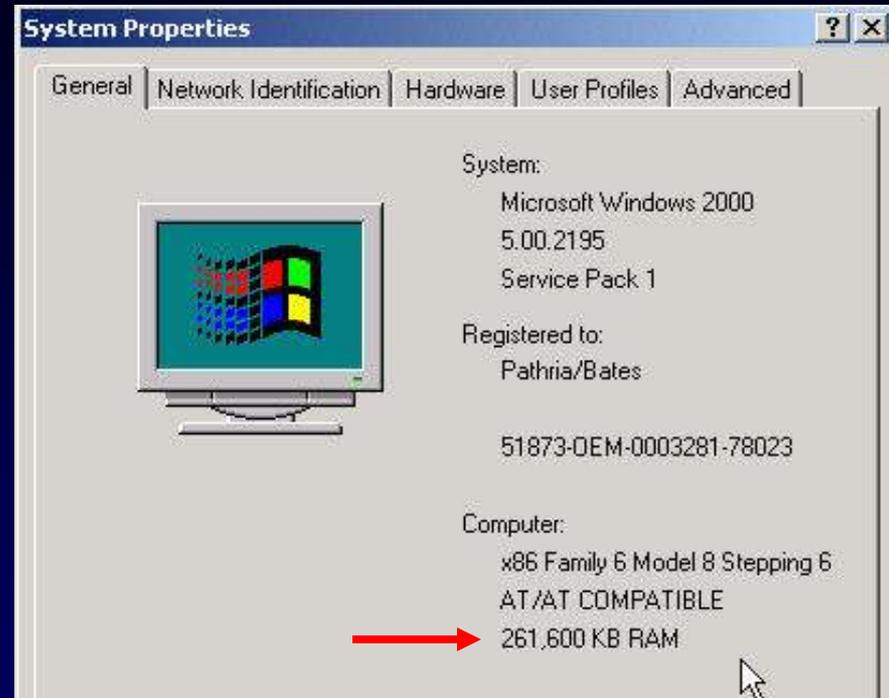
At the bottom right of the dialog, there are two buttons: "Apply" and "Cancel".

# Optimizing performance

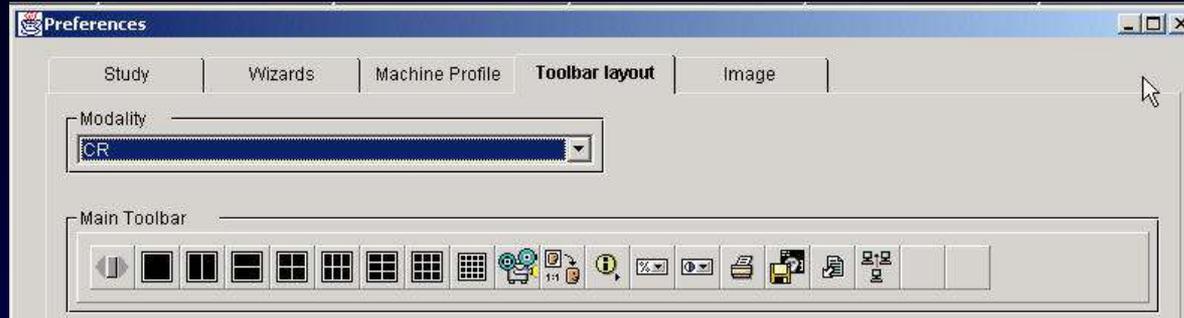


For smoother and faster performance, assign system memory as high as you can.

Find out your system memory at Start/Settings/Control panel/System. Recommend you assign 50-65% of your total RAM.

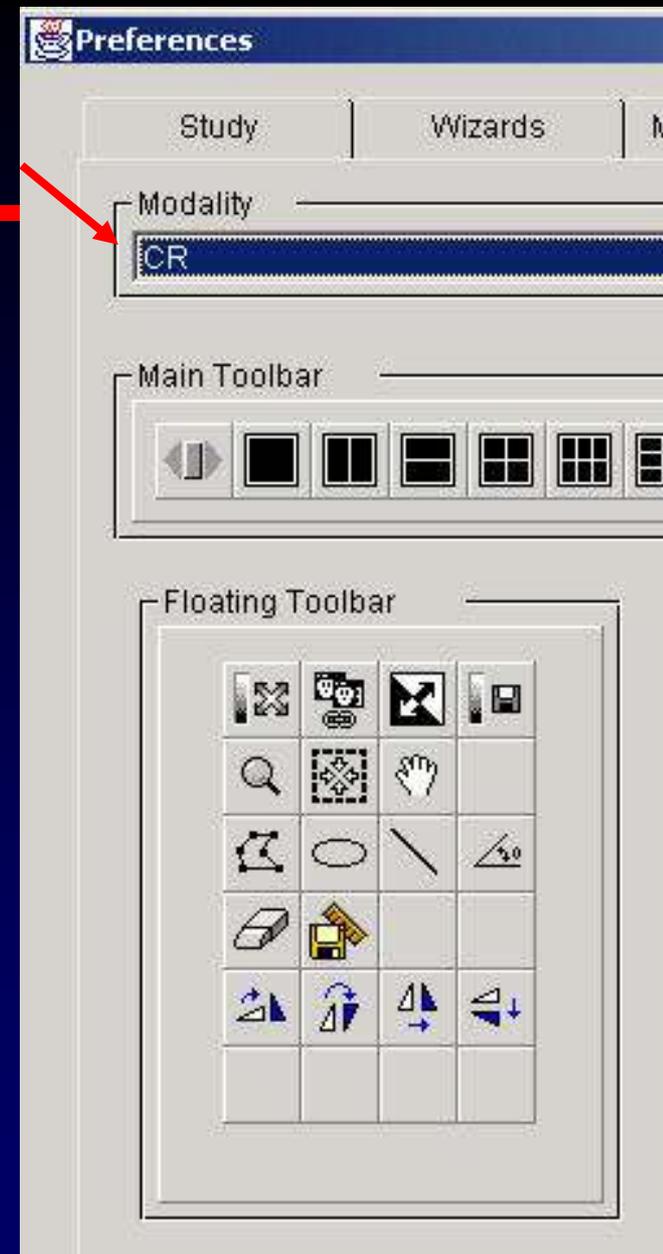


# Toolbars

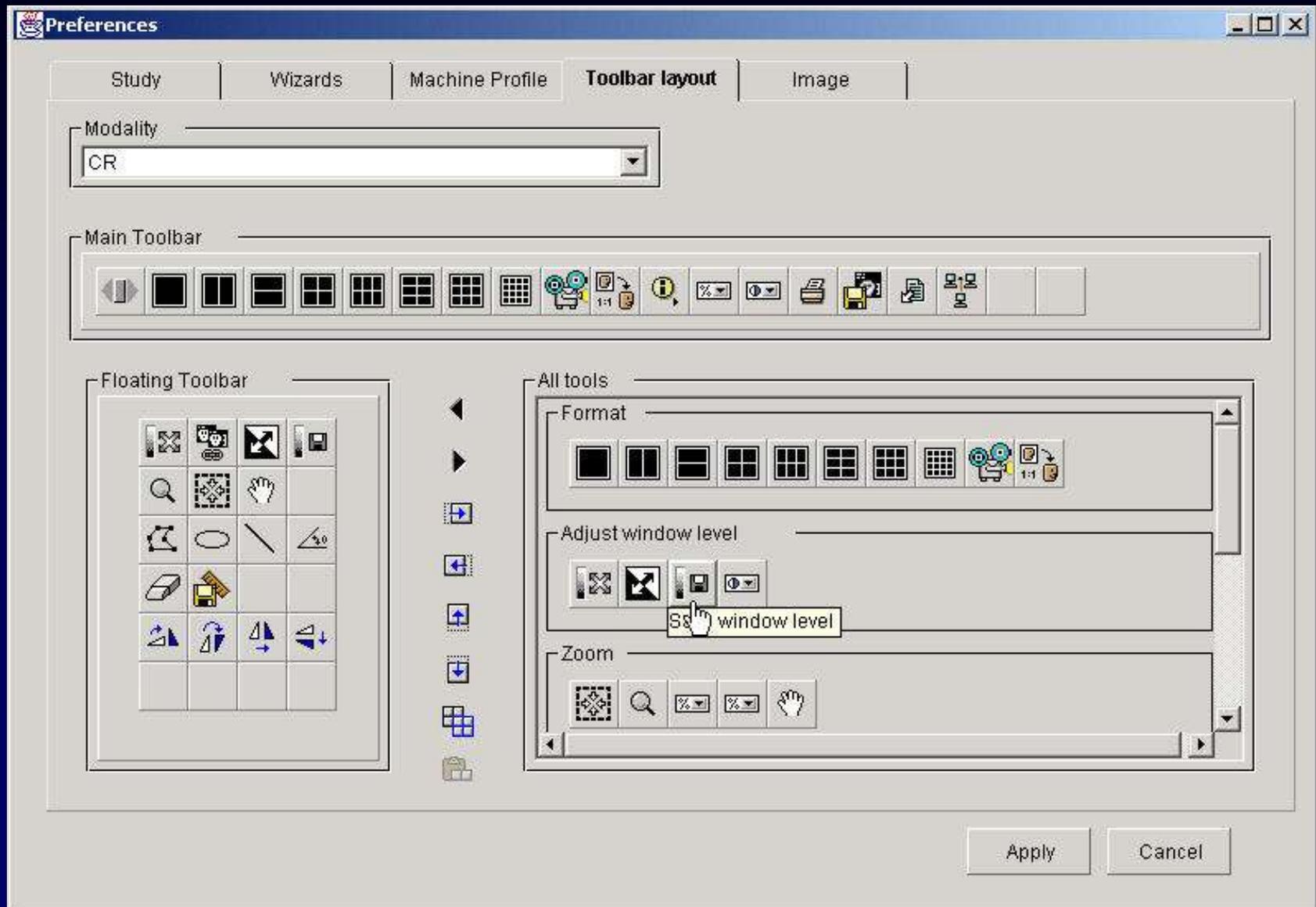


You can customize both the upper toolbar and the floating toolbar.

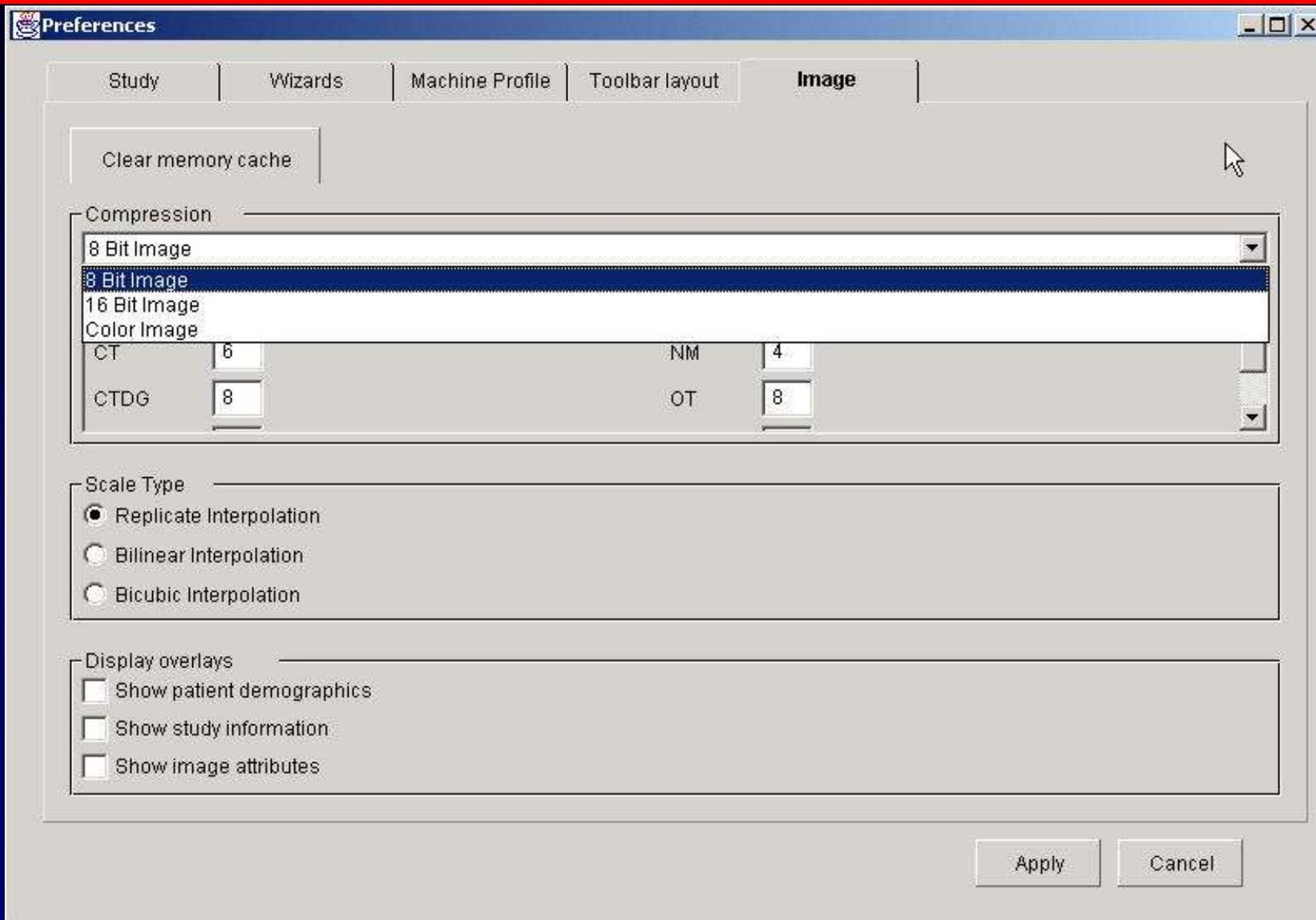
For some reason, you have to create a separate toolbar for each modality.



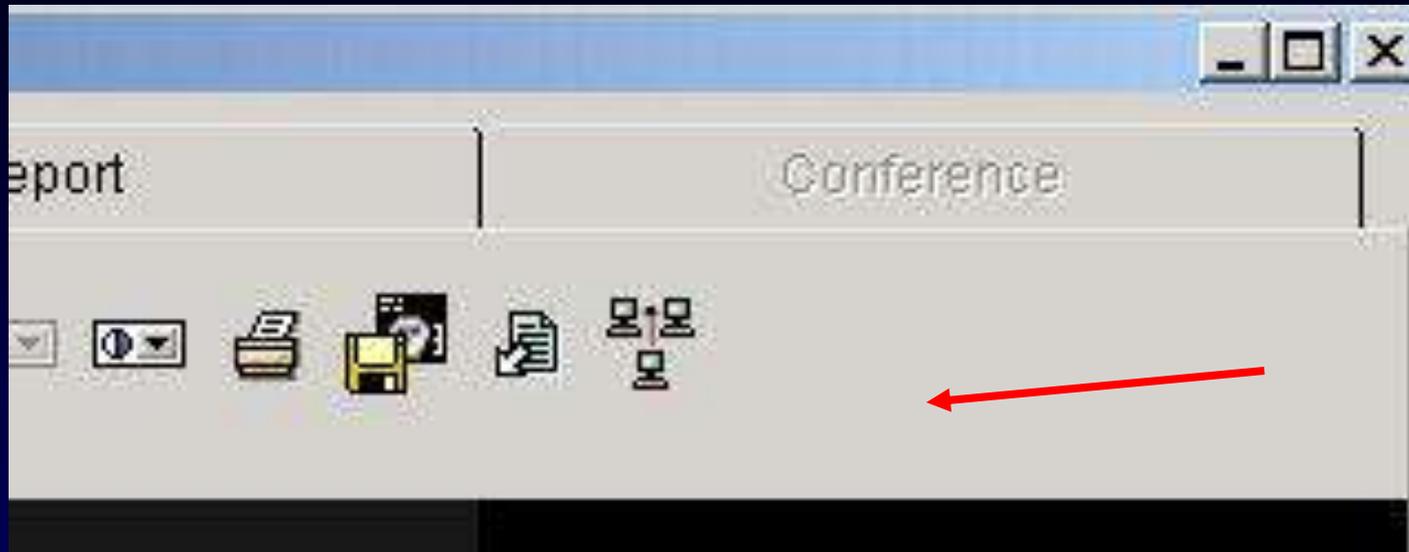
# Save levels, linking etc.



# Preferences: Image



# Conferencing



- Both people need to be logged on to the webserver simultaneously
- View will be identical for both



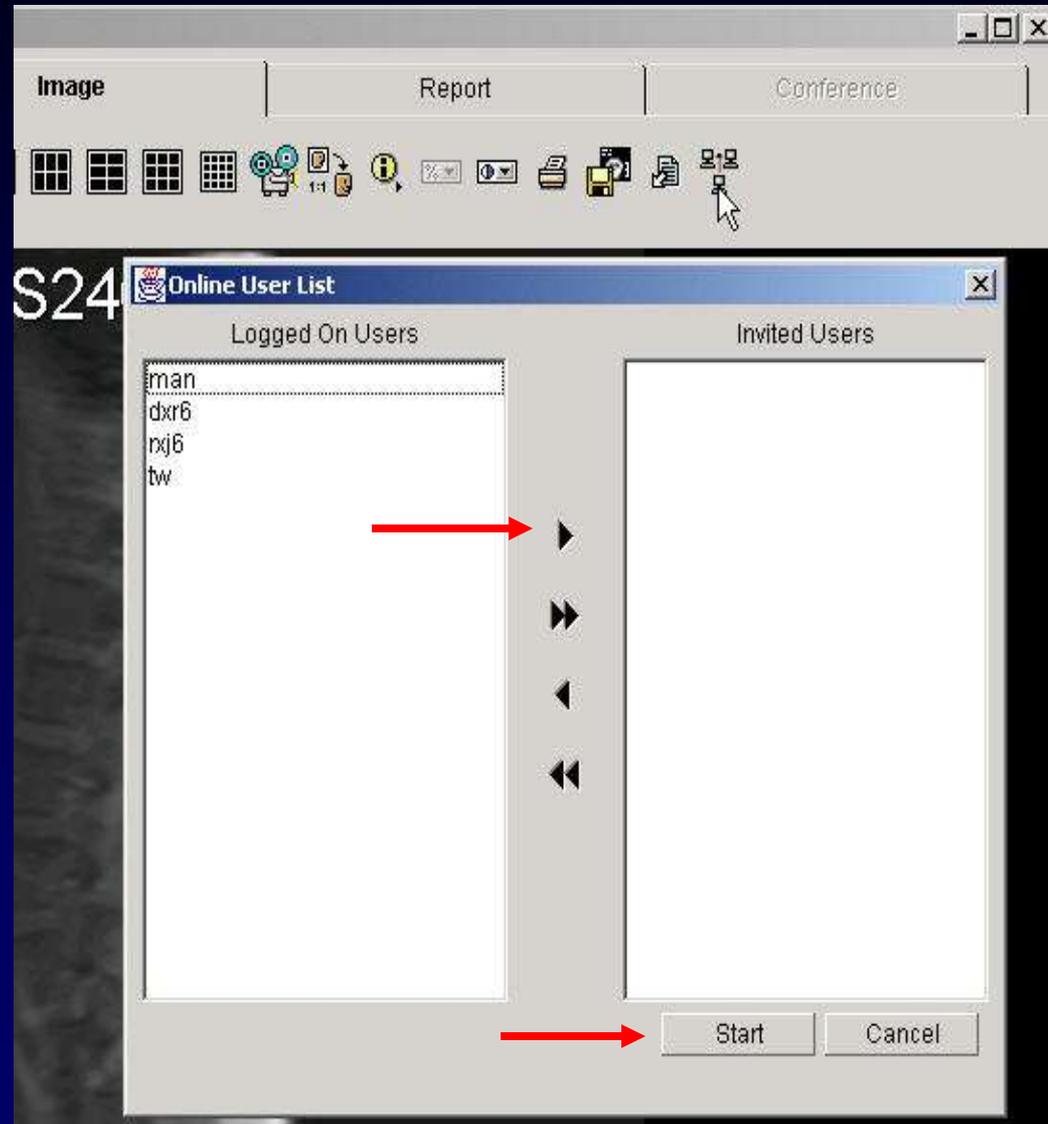
# Conferencing

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# Conferencing

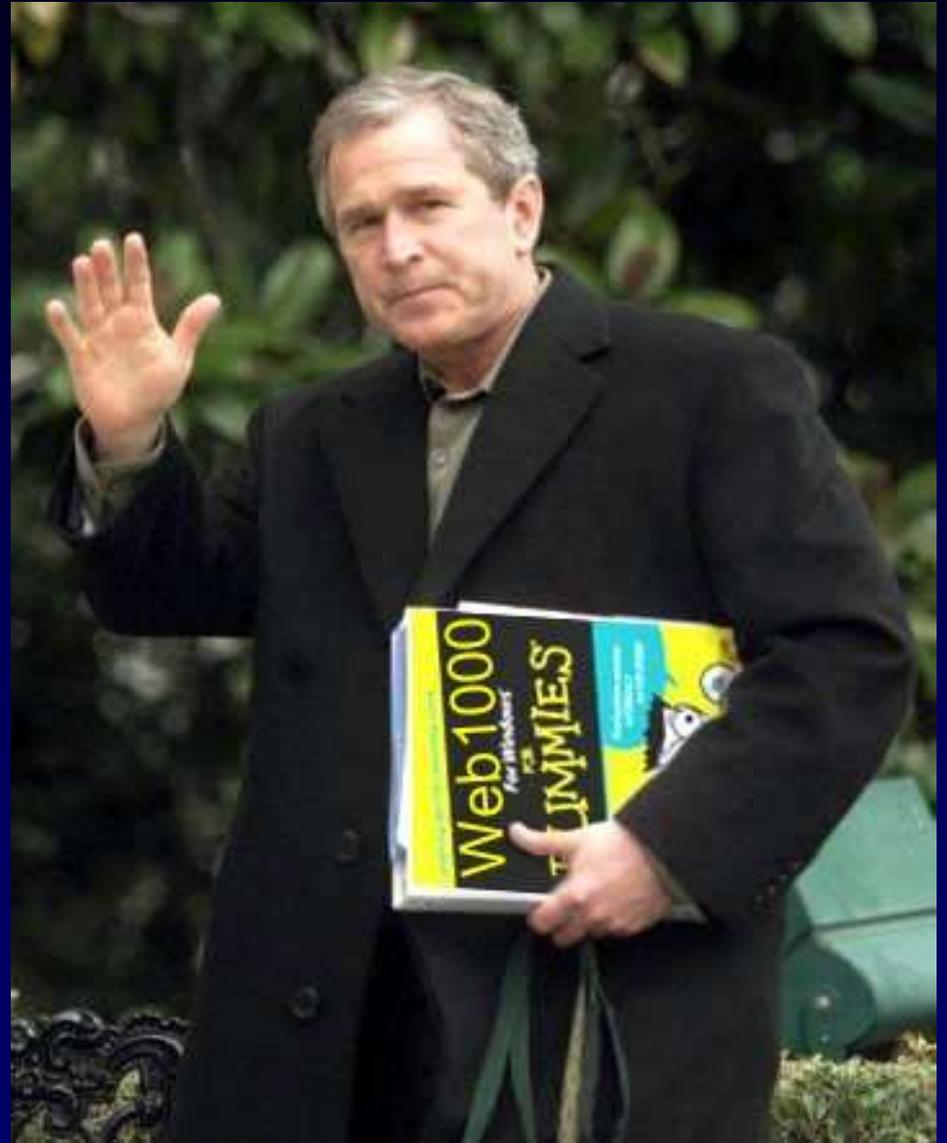
- All logged on users are listed
- Select the person you want to invite and add them to the invited user list
- Hit start





# Web1000

- The Web1000 lets you to look at studies from any computer with web access
- It is easy to use, anyone can learn!
- Have fun!





# Using the Web1000

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