Scanning in Pathology

Pathology offers several scanning methods:
- *Whole slide scans* to be used as virtual microscopy – Aperio or Bioimager
- *Flatbed scans* for gels, art work, radiology film, transparencies (12in x 17in max.)
- *Nikon Coolscan* for 35mm slides or glass slides with adapter (scans tissue area, not cells)

The above scanners are available as self service in Path Digital Imaging, BML 161, open 8:30-5 weekdays. For whole slide scanning you must go through a training session. The other scanners have instruction sheets.

Note: Path Digital scanners are intended for high resolution uses. For basic scanning needs, use the department copiers and multi-function printers, which also allow scanning.

Whole Slide Scanning for Virtual Pathology:

Use	**Resident teaching, conferences, or publications**
Scanner	Aperio
Send to	BML 161 (PathDigital) - slide can be dropped off in Surgpath
Available	Spectrum Server/ Pathology Digital Slide Collection

Use	**Path course teaching**
Scanner	Aperio
Send to	BML 161 (PathDigital) - slide can be dropped off in Surgpath
Available	In Yale Medical School Classrooms

Use	**Non-pathology (fees may apply)**
Scanner	Aperio
Send to	BML 161 (PathDigital) - slide can be dropped off in Surgpath
Available	.SVS file or jpeg (requires requestor to come down to choose fields)

Use	**CoPath- Clinical Image Repository**
Scanner	BioImager (Leica)
Send to	ITS B50 - Brian Daley- slide can be dropped off in Surgpath
Available	Clinical Image Repository http://reptile.yalepath.org/ImRepAccess/ImRepAccess.htm

About Aperio Scanning:
- Files are scanned to the native Aperio format: .svs.
- The whole slide image is not available as a jpeg file, but the proprietary software allows you to choose an area of the slide to crop as a jpeg image. Alternatively, you can open the image with the viewer (free software) and make a screen shot.
- Magnification is 20x or 40x only.
- There is free software to view for computer, iPad or iPhone: http://www.leicabiosystems.com/pathology-imaging/aperio-epathology/integrate/imagescope/

- Images are stored on the Spectrum server: http://yalepathologylabs.org:8001
- In Pathology open the Pathology Digital Slide Collection:
- http://www.yalepath.org/DigSlideCollection/DigSlideCollectionWindow.htm

The Scanning Process in Pathology:
- Scanning is done once a week, usually mid-week as time permits. This is not a RUSH service.
- Completed Request and Case Information forms must accompany all slides.
- Files are scanned without patient identifiers.
- If you want the .svs files, please provide a jump drive for transferring files externally. The .svs file size is 500MB-3GB. There is a charge for burning CDs.
- All slides will be added to the Pathology Digital Slide Collection unless a specific request is made to opt out.

To Request Scans:
1. Fill out the Request and Description forms, located in Surgpath and also online:
   - Pathology intranet > Practice Toolbox > Digital Slide Collection (instructions)
   - Pathology internet > Support Services > Path Digital Imaging
2. Place the slides and forms in the slide box located in Surgpath/Report Generation, OR drop off to Path Digital BML 161. Include jump drive if files are needed.
3. Make sure your contact information is listed.
4. Once the scans are complete, PathDigital will contact you.
5. Slides will be returned to Surgical Pathology for filing unless otherwise directed.

For Radiology Resident scans: please see the Pathology Chief Resident