

# Frozen section update

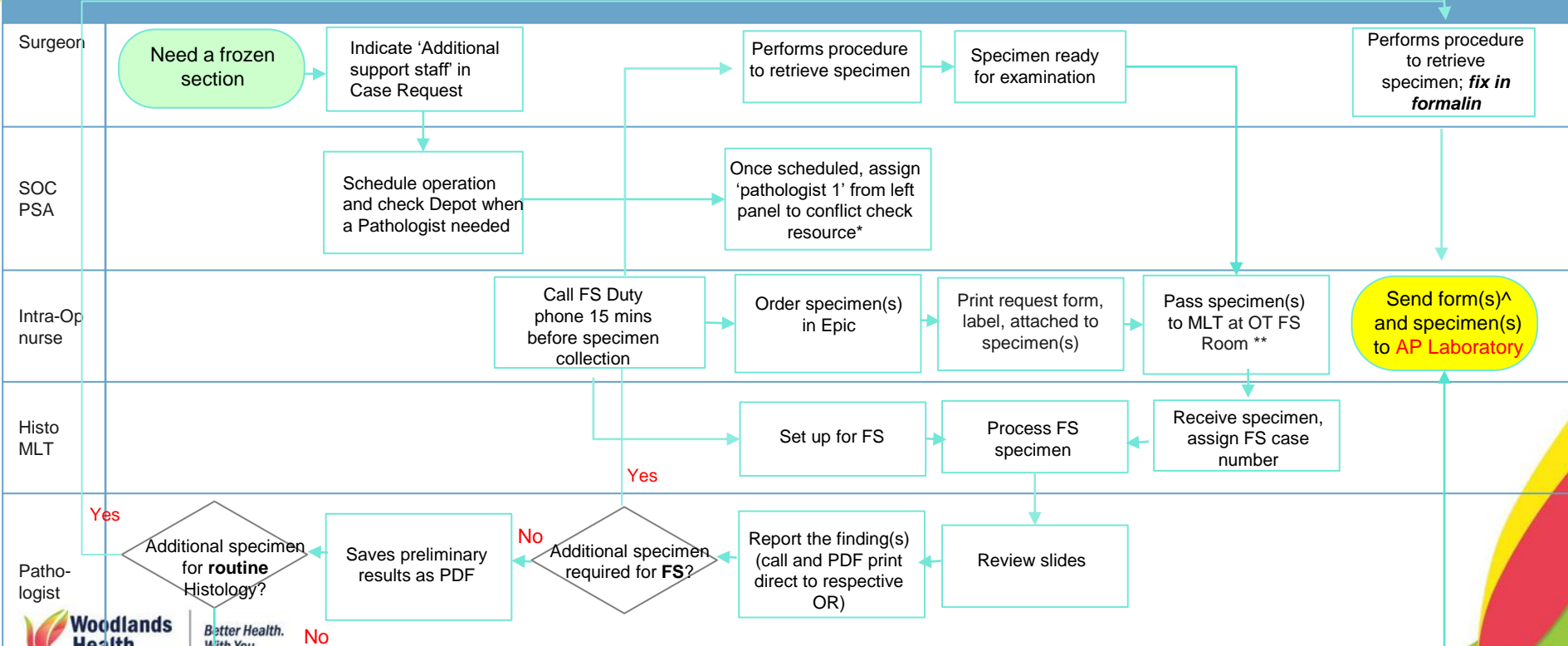
## Frozen Section service hours (May 2024)

| Monday- Friday | Saturday | Sunday/<br>Public Holiday | How to request?   |
|----------------|----------|---------------------------|---|
| 8 am to 4 pm   | NA       | NA                        | By Epic Prep for Procedure, Special request, 'Additional support' |

# Workflow for specimens from OT to AP Laboratory

## Frozen section

### Frozen section (FS) specimen workflow



# Frozen section service request

1. Epic Procedure Order: Clinician to include 'Pathologist' and 'Pathology Tech' as additional support staff
2. One Pathologist resource available, not possible to book 2 different patients at the same time\*

## Planned request

- Requests made by 4 pm the previous working day.
- Booked and shown in the Pathologists OT Status Board at 4pm the previous day

## Ad-hoc request

- Last minute same day request which is not shown in the Pathologists OT Status Board at 4 pm the previous day

→Surgeon to call and arrange with pathologist directly:

If accepted by pathologist: Lab will take note, no further action from scheduler

If rejected by pathologist: Surgeon to inform PSA to reschedule the surgery

\*During NGEMR downtime, laboratory will call OT for FS schedule. OT to email the list to

[Pathology@Wh.com.sg](mailto:Pathology@Wh.com.sg)

# OpTime Frozen Section build

PA Michelle Lim

For elective cases, Dr will put up a case request and indicate that Additional support staff is needed. To select 'Pathologist & Pathology Tech' from the cascading selection.

The screenshot displays the Epic EMR interface for a patient named LGY W CYAN. The main window is titled 'Prep for Procedure' and shows a form for a procedure: 'FS, ABDOMEN/PELVIS, VARIOUS LESIONS, INSERTION OF PERITONEAL DIALYSIS CATHETER'. The procedure type is 'MEDICAL SF852A [PR4749B (Custom)]'. The patient type is 'Inpatient' and the case priority is 'Elective'. The procedure is scheduled for '1' day. The 'Additional Support Staff' section is populated with 'Pathologist' and 'Pathology Tech'. A 'Category Select' dialog box is open, showing a list of categories with 'Pathology Tech' selected. The dialog box also shows '8 categories loaded' and 'Accept' and 'Cancel' buttons.

**Patient Information:**  
LGY W CYAN  
Female, 68 y.o., 1/1/1955  
MRN: 56786789  
Bed: VOOT-NONE  
Cur Location: WH OT  
Resuscitation: Assume Full  
Acuity Level/Accom Code: Day Surgery Bed (Sub)  
My Pat List Reminders: None  
Error  
30-Day Readmission Risk Score: 6%  
NEWS2: Not on File  
COVID-19 Vaccine: Unknown  
COVID-19: Unknown  
Isolation: None  
Medical Fitness Tagging for Long-stayers  
AISHA LATEEF  
Attending Clinician  
ALLERGIES: No Known Allergies  
IMPLANTS: None  
Please Decide on Diet or NBM  
CARE GAPS: Hepatitis B Vaccine (1 - Stand...), Obesity Screen Yearly, Varicella Vaccine (1 - 2-Dose...), MMR Vaccine (1 - MMR Stan...  
9 more care gaps  
Acknowledge Orders (1)

**Procedure Details:**  
Procedure: ABDOMEN/PELVIS, VARIOUS LESIONS, INSERTION OF PERITONEAL DIALYSIS CATHETER  
Procedure description: FS, ABDOMEN/PELVIS, VARIOUS LESIONS, INSERTION OF PERITONEAL DIALYSIS CATHETER  
Procedure Type: MEDICAL SF852A [PR4749B (Custom)]  
Card: Vh  
Laterality: Left, Right, Bilateral, N/A  
Anaesthesia: General Anaesthesia  
TOSP: SF852A  
Table Code: 2A  
Comments: Click to add text  
Add Procedure

**Case Details:**  
Dx Assoc: 1. Abdominal pain  
Patient Type: Inpatient, Emergency, DS, SDA, Future Inpatient  
Case priority: Elective, P1 (within 1-2hrs), P2 (within 4-6hrs), P4 (after 24hrs)  
Anaesthesia consult required?: Yes  
Estimated Implant Cost (\$):  
Estimated Consumables Cost (\$):  
Estimated Length of Stay (Day): 1  
Scheduling needs:  
Special Request: Equipment, Instrument, Supply, Implant, Bed/Table, Positioning, Pre-Surgical Block, Additional Support Staff, TTSH/NNI Surcharge, Other (comment)

**Additional Support Staff:**  
Pathologist, Pathology Tech

**Category Select Dialog:**  
Search:  
Title  
Assisting Nurse  
AU Nurse  
Circulating Nurse  
Echo Tech  
OT Tech  
Pathologist  
Pathology Tech  
Scrub Nurse  
8 categories loaded.  
Accept, Cancel

Scheduler will be able to see that patient will need FS intraoperatively when 'Pathology Required' appears in depot

NGTST - WH OT - Hyperspace - OPTIME NURSE

15 : My Incomplete Notes 10 : My Open Charts 1 : Staff Message 56

Epic Patient Station Snapboard My Reports In Basket Preference Cards Dispense Tracking Trauma / P0 Apts Non-OR Recovery STEM Case Print Cases Open Chart External Links Telephone Call

NGTST OPTIME NURSE OpTime

Snapboard: WH OT Snapboard (Thu 5/10/2023) - Default

Height: - + Width: - + Caption: Patient Doctor & Procedure Anaesthesia Default

|       | OT 01 | OT 02 | OT 03 | OT 04 | OT 05              | OT 06                                | OT 07 | OT 08 | OT 09 | OT 10 | OT 11 | OT 12             | OT 13 | OT 14 | OT 15                | OT 16                              | OT 17 | 0          |
|-------|-------|-------|-------|-------|--------------------|--------------------------------------|-------|-------|-------|-------|-------|-------------------|-------|-------|----------------------|------------------------------------|-------|------------|
| 10:00 | 1     | 1     | 1     |       |                    | 222. cancelled ...<br>LGY W DENNY... |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 11:00 | 1     | 1     | 1     |       |                    |                                      |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 12:00 | 1     | 1     | 1     |       |                    |                                      |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 13:00 | 1     | 1     | 1     |       | cancelled prior... | Cancelled after...                   |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 14:00 | 1     | 1     | 1     | 0     | 29                 |                                      |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 15:00 | 1     | 1     | 1     |       |                    | 322                                  |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 16:00 | 1     | 1     | 1     |       |                    |                                      |       |       |       |       |       | Urology (Urology) |       |       | Otolaryngology (ENT) | Trauma Surgery (Trauma List / EOT) |       | Trau (EOT) |
| 17:00 | 1     | 1     | 1     |       |                    |                                      |       |       |       |       |       |                   |       |       |                      |                                    |       |            |

5/10/2023 1 Day

| S  | M  | T  | W  | T  | F  | S  |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | 1  | 2  | 3  | 4  |
| 5  | 6  | 7  | 8  | 9  | 10 | 11 |

| ▲ | O... | Iso | Current Locati... | Date      | Patient Info       | NRIC      | Patie... | Lead Surgeon       | Procedure             | Specialty        | Anes. T... | Intraop FS/Pathol... | Need IR/Endo? | Scheduling Needs | Financi... | Equipment   | Instr |
|---|------|-----|-------------------|-----------|--------------------|-----------|----------|--------------------|-----------------------|------------------|------------|----------------------|---------------|------------------|------------|-------------|-------|
|   |      |     |                   | 27/7/2023 | WH-MS-08 NHIPS UAT | S1631307F | 43y M    | As Whc [6360343]   | KNEE, VARIOUS LESI... | Anaesthesiolo... | GA         |                      |               |                  |            |             |       |
|   |      |     |                   | 26/8/2023 | WH APP TEST PAT 30 | S5932558B | 35y F    | Fs surmd Whc [729] | SLG 7955151.ABDOM...  | General Surgery  | GA         |                      |               |                  |            |             |       |
|   |      |     |                   | 28/7/2023 | WH APP TEST PAT 32 | S5250429E | 35y F    | Fs surmd Whc [729] | SKIN AND SUBCUTAN...  | General Surgery  | GA         |                      |               |                  |            |             |       |
|   |      |     |                   | 14/8/2023 | LGY CHEETAH        | S3453455A | 68y F    | Fs surmd Whc [729] | APPENDIX, VARIOUS ... | General Surgery  | GA         |                      |               |                  |            | Subsidi...  |       |
|   |      |     |                   | 2/9/2023  | WH APP TEST PAT 38 | S5252749Z | 35y F    | Fs surmd Whc [729] | ERAS? ABDOMINAL C...  | General Surgery  | GA         | Pathology Required   |               |                  |            |             |       |
|   |      |     |                   | 12/4/2022 | FPH CAR            | S0024527E | 68y M    | Fs surmd Whc [729] | KNEE, VARIOUS LESI... | Anaesthesiolo... | GA         |                      |               |                  |            | Fully Su... |       |

Schedule Find Next Block

WH OT Elective

Scheduler will schedule the case request from Depot into Snapboard. If there is another scheduled patient that needs Pathologist, there will be a hard-stop to prevent scheduling of patient to the same time frame. Scheduler should reschedule patient to another timing if this happens.

**Epic - POC - WH OT - Hyperspace - OPTIME NURSE**

**Snapboard: WH OT Snapboard (Tue 17/10/2023) - Side by side**

Shift: 08:00 - 17:00

Find:

Roles:

- Scrub Nurse
- Circulating Nurse
- Ultrasound Machine
- Anaesthetist
- Proceduralist
- Supervising Proceduralist
- Image Intensifier Machine
  - WH OT C-ARM 1 (MINI)
  - WH OT C-ARM 2
  - WH OT C-ARM 3
  - WH OT ENDO ROOM 1
  - WH OT C-ARM 1
- Pathologist
  - (FS), Pathologist 1
- Endo Support

Case Scheduling

**EMERGENT CASE with Surgeon NGEMR in OT 03 on 17/10/2023 at 14:45 for 1 hour 30 minutes**

These errors were determined by checking projected times.

**Errors**

- Pathologist has no openings from 14:45 to 15:30.
  - This resource is being used in the following cases
  - Availability for Pathologist

**Override Needed.**

- WH OT 03 is not available from 14:45 to 16:15.
  - No availability found.
- Surgeon NGEMR is not available from 14:45 to 16:15.
  - Availability for Surgeon NGEMR

**Warnings**

| Case ID | Theatre | Date       | Time  | Provider      | Procedure     | Patient         |
|---------|---------|------------|-------|---------------|---------------|-----------------|
| 21157   | OT 03   | 17/10/2023 | 14:45 | Surgeon NGEMR | EMERGENT CASE | A TEST FOR W... |

Start time: 14:45

Primary Procedure: EMERGENT CASE; Surgeon: NGEMR, Surgeon  
 Patient: A TEST FOR WH CODING 1 [M5101668P]; M; 20 yrs  
 Procedure Start: 13:59  
 Start: 13:59; End: 15:29  
 Length: 90 min; Setup Length: 0 min  
 Panels:  
 Surgeon NGEMR performing EMERGENT CASE (None)  
 Assigned resources:  
 (FS) Pathologist 1 (Pathologist)  
 WH OT C-ARM 2 (I Machine)  
 A TEST FOR WH CODING 1 (None)  
 EMERGENT CASE  
 NGEMR, General Surgery  
 14:35  
 EMERGENT CASE  
 A TEST FOR WH CODING 2

| Ad... | Date       | Waiting Ti... | Patient Class | Case Pr...  | Current Locati... | Info...          | Isolation | Patient Info     | NRIC      | Patient Age/G... | Procedures            | TOSP... | Scheduling N... | Lead Surgeon   | Specialty        | Il... | Il... |
|-------|------------|---------------|---------------|-------------|-------------------|------------------|-----------|------------------|-----------|------------------|-----------------------|---------|-----------------|----------------|------------------|-------|-------|
| +     | 2/12/2021  | 16415.29      | Emergency     | NONE        | N408001 (WH...    |                  |           | LGY ANXIOUS      | S3453455A | 63y F            | Emergent Case         | 111     |                 | Surgeon Nge... |                  |       |       |
| +     | 7/12/2021  | 16294.59      | Emergency     | NONE        | (WH D...          |                  |           | WHC TEST 3       | S9876543C | 25y M            | Emergent Case         | 111     |                 | Surgeon Nge... |                  |       |       |
| +     | 8/2/2022   | 14781.16      | Emergency     | NONE        | (WH OT)           | Contact, Airb... |           | LGYM WHC 1       | S1231233D | 73y F            | Emergent Case         | 111     |                 | Surgeon Nge... | General Surgery  |       |       |
| +     | 15/3/2022  | 13942.37      | Emergency     | NONE        | (WH OT)           | Contact, Airb... |           | LGYM WHC 1       | S1231233D | 73y F            | Emergent Case         | 111     |                 | Surgeon Nge... | General Surgery  |       |       |
| +     | 5/10/2023  | 4532.17       | Emergency     | P2 (with... | RISO-07 (WH...    |                  |           | LML KUCHING T... | S8542672I | 38y M            | Hand, Closed Fract... | SB703H  |                 | Fssurmd Whc    | Anaesthesiolo... |       |       |
| +     | 10/10/2023 | 163.09        | Emergency     | NONE        | (WH OT)           |                  |           | WH AUD T3        | S1497538A | 50y M            | Hand, Closed Fract... | SB705H  |                 | Surgeon Nge... | General Surgery  |       |       |
| +     | 17/10/2023 | 0.09          | Emergency     |             |                   |                  |           | A TEST FOR WH... | M5101668J | 29y F            | Emergent Case         | 111     |                 | Surgeon Nge... | General Surgery  |       |       |

Calendar: 17/10/2023, 1 Day, October 2023

Today: 6 7 8 9 10 11

Schedule Find Next Block WH OT Emergency

If they managed to schedule patient, Scheduler will need to conflict check the resource by clicking on the arrow @ left panel for **(FS), Pathologist**.

There **should not** be any overbooking allowed and a pop-up error box will appear if there's any conflict with another patient.

Scheduler should reschedule patient to another timing if this happens.

The screenshot displays the Epic Snapboard interface for a Pathologist (FS) on Monday, July 7, 2023. The main grid shows a schedule from 07:00 to 13:00 across nine operating theaters (OT 01 to OT 09). A conflict is highlighted at 10:00 in OT 02, where a patient is scheduled for 'WH EYE ONE, 34 yrs None EMERGENT CASE NGEMR; General Surgery'. A pop-up error message is displayed over this conflict, stating: 'The resource could not be assigned. There are no more openings for Pathologist (FS) at 10:00.' The error message includes a red 'X' icon and a 'QK' button. The left panel shows the role list with 'Pathologist (FS), Pathologist' selected for OT 02. The bottom panel shows a patient list with columns for Ad., Date, Waiting Tr., Case Pr., Current Loc., Info., Isolation, Patient Info, NRIC, Patient Age, Procedures, TOSP, Scheduling N., Lead Surgeon, Specialty, Allergies, and Financial.

| Ad... | Date       | Waiting Tr... | Case Pr...  | Current Loc... | Info... | Isolation        | Patient Info     | NRIC      | Patient Age/... | Procedures             | TOSP... | Scheduling N... | Lead Surgeon   | Specialty      | II... | II... | Allergies  | Financial |
|-------|------------|---------------|-------------|----------------|---------|------------------|------------------|-----------|-----------------|------------------------|---------|-----------------|----------------|----------------|-------|-------|------------|-----------|
| +     | 7/12/2020  | 22848:00      |             | V25B04 (V2...  | ✖       | Contact          | WHC TEST 5       | S8543211J | 58y F           | Emergent Case          | 111     |                 | Surgeon Nge... |                |       |       | No Kno...  | Class C   |
| +     | 7/12/2020  | 22842:42      |             | NONE (TTS...   |         |                  | OPTIME BPA TE... | S1507416G | 32y M           | Emergent Case          | 111     |                 | Surgeon Nge... |                |       |       | Not on ... |           |
| +     | 3/3/2021   | 20789:56      | P1 (with... | V25B04 (V2...  | ✖       | Contact          | WHC TEST 5       | S8543211J | 58y F           | Head-Face, Soft Tis... | SB822H  |                 | Chong Yew...   | Urology        |       |       | No Kno...  | Class C   |
| +     | 18/11/2021 | 14538:29      |             |                |         |                  | TESTING, Mir...  | S6900012D | 44y M           | Emergent Case          | 111     |                 | Surgeon Nge... |                |       |       | Pencil...  |           |
| +     | 2/12/2021  | 14202:28      |             | N048001 (N...  |         |                  | LG Y ANIOUS      | S3453455A | 63y F           | Emergent Case          | 111     |                 | Surgeon Nge... |                |       |       | No Kno...  | Class C   |
| +     | 7/12/2021  | 14081:58      |             | V22B02N (...)  |         |                  | WHC TEST 3       | S9876543C | 25y M           | Emergent Case          | 111     |                 | Surgeon Nge... |                |       |       | No Kno...  | Class C   |
| +     | 8/2/2022   | 12568:15      |             | NONE (WH...    |         | Contact, Airb... | LG YM WHC 1      | S1231233D | 72y F           | Emergent Case          | 111     |                 | Surgeon Nge... | General Sur... |       |       | Not on ... | Class C   |
| +     | 15/3/2022  | 11729:36      |             | NONE (WH...    |         | Contact, Airb... | LG YM WHC 1      | S1231233D | 72y F           | Emergent Case          | 111     |                 | Surgeon Nge... | General Sur... |       |       | Not on ... | Class C   |
| +     | 18/5/2022  | 10200:04      |             | NONE (WH...    |         | Contact, Airb... | LG YM WHC 1      | S1231233D | 72y F           | Emergent Case          | 111     |                 | Surgeon Nge... | General Sur... |       |       | Not on ... | Class C   |
| +     | 11/4/2023  | 2319:16       | P2 (with... | RISO-07 (W...  |         |                  | LML KUCHING T... | S8542672I | 37y M           | Hand, Closed Fractu... | SB703H  |                 | Fssumrd Whc    | Anaesthesia... |       |       | No Kno...  | Class C   |

Patient will appear within WH Pathologist/Patho Tech OT Status Board for pathologist to view

POC - WH LAB MEDICINE & PATHOLOGY - Hyperspace - LABORATORY TECHNOLOGIST NGEMR

EpicCare | PT Station | Media Manager | Enter/Edit Results | External Links | Status Board | Service Task

OpTime Rprts | POC | LABORATORY TECHNOLOGIST NGEMR | EpicCare

### Status Board: WH Pathologist/Patho Tech OT Status Board [777448] (Mon 17/7/2023)

Search Status Board | 17/7/2023 | 17/7/2023

WH Pathologist/Patho Tec... | WH PathologistPath\*

Detail | Summary

| Add   | Theatr | App | Tim   | Proj | End   | Patient | N | Date     | of | f | Gende        | Surgeon/Procer | Pt | Clai | Procedures   | Event | Timer | Additional Support staff |
|-------|--------|-----|-------|------|-------|---------|---|----------|----|---|--------------|----------------|----|------|--|-------|-------|--------------------------|
| OT 02 |        |     | 10:00 |      | 10:46 | LGY W   |   | 01/01/55 |    | F | Whc, Fssurmd |                |    |      | Fs, Abdomen/Pelvis, Various Lesions, Insertion Of Peritoneal Dialysis Catheter - N/A |       |       | Pathologist [311]        |



# Workflow process to follow if Dr did not indicate 'Pathologist/Patho tech' during case request

| Timeframe   | Follow-up Action   |
|---|--|
| <b>Anytime from day of listing up to 1 day before the surgery</b>                     | SOC PSA to assist to follow up.<br>1) Pathologist is available: SOC PSA will just add pathologist to the listing.<br>2) Pathologist is already booked for another case: SOC PSA will inform Dr and reschedule procedure. |
| <b>1 day before the surgery before 4pm</b>  | OT PSA will assist to follow up by calling Pathologist to inform.  |
| <b>Ad Hoc request:<br/>1 day before the surgery AFTER 4pm to the day of procedure</b> | Surgeon to inform Pathologist for agreement.<br>Do not need to assign Pathologist resource into snapboard.   |

*WH FS workflow*

28/7/23

New Build: Patient to appear in Pathologist Status board when **ad hoc FS** selected during intra-op.

Upon selecting Histo + tick 'Frozen?' button within One Step Specimen OR the snowflake icon, patient will appear in Pathologist Status Board.

The image shows two screenshots from the Epic EMR system. The top screenshot displays the 'Status Board: WH Pathologist/Patho Tech OT Status Board [777448] (Fri 28/7/2023)'. The table below the search bar is empty and highlighted with a red rectangle, indicating that no patients are currently listed. The bottom screenshot shows the 'WOODLANDS CODING' patient record for a female patient (DOB: 3/7/1944, MRN: S53153111). In the 'Specimens' section, a specimen is listed with ID 'A' and description 'Abdomen - Tissue'. The 'Frozen?' checkbox is checked, and a snowflake icon is highlighted with a red rectangle, indicating that this specimen is frozen and should appear in the pathologist status board.

**Top Screenshot: Pathologist Status Board**

Search Status Board: WH Pathologist/Patho Tec... | 28/7/2023 | 28/7/2023

| Add | Theat | App | Tim | Proj | End | Patient | N | Date of | £ | Gen'd | Surgeon/Proce | PT | Clia | Procedures | Event | Timer | Additional | Support | staff |
|-----|-------|-----|-----|------|-----|---------|---|---------|---|-------|---------------|----|------|------------|-------|-------|------------|---------|-------|
|-----|-------|-----|-----|------|-----|---------|---|---------|---|-------|---------------|----|------|------------|-------|-------|------------|---------|-------|

**Bottom Screenshot: Intraop Specimens**

Specimens

| ID  | Specimen         | Collected by         | Tests                    |
|-----|------------------|----------------------|--------------------------|
| ✓ A | Abdomen - Tissue | Fssumdd WHC at 14:36 | HISTOPATHOLOGY - ROUTINE |

Pathology Comments: [Snowflake icon]

28/7/23

New Build: Patient to appear in Pathologist Status board when **ad hoc FS** selected during intra-op.

Upon selecting Histo + tick 'Frozen?' button within One Step Specimen OR the snowflake icon, patient will appear in Pathologist Status Board.

The screenshot displays the Epic Pathologist Status Board interface. The main window title is "Status Board: WH Pathologist/Patho Tech OT Status Board [777448] (Fri 28/7/2023)". A modal form titled "Abdomen - Tissue" is open, showing the following details:

- Type:** Tissue (selected from Tissue, Swab, Miscellaneous)
- Tests:** A list of checkboxes for various tests. "HISTOPATHOLOGY - ROUTINE" is checked. Other tests include ACID FAST BACILLI (AFB) SMEAR, ACID FAST BACILLI (AFB) CULTURE AND SUSCEPTIBILITY TESTING, FUNGAL CULTURE, MOLECULAR DETECTION OF MYCOBACTERIUM TUBERCULOSIS, NGEMR PATHOLOGY - SECOND OPINION, GRAM STAIN, NGEMR PATHOLOGY - MOLECULAR, NGEMR LAB HELICOBACTER PYLORI UREASE TEST (HP), NGEMR PATHOLOGY ADD-ON, NGEMR LAB ASPERGILLUS PCR, NGEMR LAB RESPIRATORY FLUID AND TISSUE CULTURE, NGEMR LAB TTSH TISSUE AND JOINT FLUID CULTURE (STERILE SITES), NGEMR LAB TTSH TISSUE CULTURE, and NGEMR LAB CYTOMEGALOVIRUS (CMV) PCR.
- Authorised by:** Fssurmd WHC
- Collected by:** Fssurmd WHC
- CC Recipients:** + Attending Clinician
- Specimen ID:** A
- Collected at:** 10:00 on 15/9/2023
- Description:** (Empty text field)
- Frozen?:** Yes (selected), No
- Diagnosis codes:** + Abscess of left hand [L02.4]
- Non-frozen Attributes:** Fixed in Formalin, Fresh, Saline, Michel Buffer, 3% Glutaraldehyde, Air Dried Slides, Alcohol Fixed Slides, Fluid, Needle Wash, Conventional Smear, Liquid-Based Cytology.
- Fixed Formalin Time:** (Empty field) Now
- Resection Time:** (Empty field) Now
- ALLERGIES:** No Known Allergies
- Equipment:** Irrigation, Supplies, Equipment (all unchecked)

28/7/23

New Build: patient to appear within Pathologist Status Board when **Snowflake** selected at intra-op One-Step specimen

The image shows two screenshots from the Epic EMR system. The top screenshot is the Pathologist Status Board for WH Pathologist/Patho Tech OT Status Board [777448] on Fri 28/7/2023. A table row is highlighted with a red box, showing an OT 04 procedure at 15:20 by WOODL 03/07/44, with a duration of 00:12. The bottom screenshot is the Intraop Specimens interface for WOODLANDS CODING. A specimen row is highlighted with a red box, showing 'Abdomen - Tissue' collected at 14:36, with a test of 'HISTOPATHOLOGY - ROUTINE'. A 'Pathology Comments' icon is highlighted with a red box, and a tooltip indicates 'This is a frozen specimen. Click to mark as not frozen.'

**Pathologist Status Board Data:**

| OT    | App   | Tim   | Proj  | End      | Patient | Date of E | Gen'd | Surgeon/Proce       | Pt Clai | Procedures | Event | Timer | Additional Support staff |
|-------|-------|-------|-------|----------|---------|-----------|-------|---------------------|---------|------------|-------|-------|--------------------------|
| OT 04 | 15:20 | 15:56 | WOODL | 03/07/44 | F       | Ngemir,   |       | Emergent Case - N/A |         |            |       | 00:12 |                          |

**Intraop Specimens Data:**

| ID | Specimen         | Collected by         | Tests                    |
|----|------------------|----------------------|--------------------------|
| A  | Abdomen - Tissue | Fssurmd WHC at 14:36 | HISTOPATHOLOGY - ROUTINE |

Patient will also appear within the Status board after 'Pathologist 1' was assigned via the snapboard left panel

POC - WH LABORATORY MEDICINE & PATHOLOGY - Hyperspace - LABORATORY TECHNOLOGIST NGEMR

PT Station | Media Manager | Enter/Edit Results | External Links | Status Board | Service Task

OpTime Rprts

### Status Board: WH Pathologist/Patho Tech OT Status Board [777448] (Fri 28/7/2023)

Today | Charge Board | Open Case | Expand | Schedule | Cancel | Open Chart | Events | Change Status | Refresh | Hide Headers | Save View | Legend | Settings | Theatre Reports

WH Pathologist/Patho Tec... | WH Pathologist/Patho

Search Status Board | 28/7/2023 | 28/7/2023

Detail | Summary

| Add Theatr | App Tim | Proj  | End Patient  | NDate of t | Gende Surgeon/Proce | PT Clai      | Procedures   | Event | Timer | Additional Support staff |
|------------|---------|-------|--------------|------------|---------------------|--------------|--|-------|-------|--------------------------|
| OT 05      |         |       | 20959        |            |                     |              |  |       |       |                          |
| OT 05      | 16:10   | 17:55 | WH           | 01/01/71   | F                   | Whc, Fssurmd | Lab Tech Pathologist, Femur, Fracture (Femur Shaft), Intramedullary Nailing/Rod (With Or Without Locking) - Left |       |       | Pathology Tech [279]     |
|            |         |       | CHOPE TEST 2 |            |                     |              |  |       |       |                          |

POC - WH OT - Hyperspace - OPTIME NURSE

41 : Case Message | 7 : My Incomplete Notes | 5 : My Open Charts | 4

Patient Station | Snapboard | My Reports | In Basket | Preference Cards | Dispense Tracking | Trauma / P0 | Apts | STEMI Case | Non-OR Recovery | Print Cases | External Links | Telephone Call

### Snapboard: WH OT Snapboard (Fri 28/7/2023) - Side by side

Shift: 08:00 - 17:00 | Height: - + | Width: - + | Caption: Patient | Doctor & Procedure | Anaesthesia | Default

Needs | Find: | Roles: Name | Assign... | Pathologist (FS), Pathologist 1 | OT 05\*

|       | OT 04 | OT 05 | OT 06 | OT 07 | OT 08 | OT 09 | OT 10 | OT 11 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 13:00 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| 14:00 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| 15:00 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| 16:00 | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |

WOODLANDS CODIN... None EMERGENT CASE NGEMR; General Surgery



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End of FS  
pathologist/technologist  
request

## Frozen section order and request form

| Scenarios                 | Order in Epic | Print a request form | Despatch location | Remark  |
|---------------------------|---------------|----------------------|-------------------|---|
| First FS specimen         | ✓             | ✓                    | FS room           | NA  |
| Subsequent FS specimen(s) | ✓             | NO                   | FS room           | Handwrite/ Print specimen type on the first printed form until FS completes |

OT inform Laboratory when FS completes

All specimens must be checked and correctly labelled to avoid delay in diagnosis

| Scenarios                  | Order in Epic | Print a request form | Despatch location | Remark |
|----------------------------|---------------|----------------------|-------------------|--------|
| First and only FS specimen | ✓             | ✓                    | FS room           |        |

After Frozen section completes:

|  |    |    |                         |  |
|--|----|----|-------------------------|--|
| Subsequent specimen for routine histopathology | ✓  | ✓  | Laboratory medicine @B2 | <ul style="list-style-type: none"> <li>• <u>Mon-Fri:</u><br/>Anatomic pathology</li> <li>• <u>After hours:</u><br/>Specimen reception<br/>(Return “<i>Intra-operative consultation report</i>” form to AP Laboratory)</li> </ul> |
| No specimen for routine histopathology         | NA | NA | NA                      | Return “ <i>Intra-operative consultation report</i> ” form to AP laboratory  |

# Frozen section reporting workflow

- Pathologist communicate results to surgeon (phone call)
- A PDF report (*“Intra-operative consultation report”* form) will be sent to respective OR printer
- One copy of *“Intra-operative consultation report”* form will be kept by laboratory
- OT to return the *“Intra-operative consultation report”* form to laboratory after completion of surgery. Indicate on the form if Additional specimen is submitted

## Laboratory Medicine and Pathology

### FROZEN SECTION INTRA-OPERATIVE CONSULTATION REPORT



| PATIENT INFORMATION   |                  |
|---|------------------|
| Name:   | Theatre/ext no.: |
| FROZEN SECTION REPORT   |                  |
| FSYY-XXXXX (Patient NRIC)   |                  |
| FROZEN SECTION DIAGNOSIS<br>SPECIMEN SOURCE: DIAGNOSIS  |                  |
| Date of preliminary report: 21/4/2022 HH:MM hrs<br>Verbal report communicated to: Dr. Surgeon<br>Pathologist: Dr. Pathologist   |                  |
| ADDITIONAL SPECIMEN(S) FOR ROUTINE HISTOPATHOLOGY<br><i>(Please check the appropriate box)</i>  |                  |
| <input type="checkbox"/> No additional specimen is submitted.<br><input type="checkbox"/> One or more additional specimens are submitted. Please attach an updated Epic request form. |                  |
| <b>NOTE: Please return this form to Anatomic Pathology section (Basement 2) for routine Histopathology paraffin section.</b>  |                  |
| Verified by doctor (name and date):   |                  |

**Patient Information**

| Patient Name                | Sex  | DOB       | Age | Race    | Nationality |
|-----------------------------|------|-----------|-----|---------|-------------|
| TTSH 2B SPECIMEN DISCHARGED | Male | 25/6/1944 | 78  | Chinese | Singapore   |

**NRIC/FIN**

S4409011B



**SAP Case Number**

1291050669J



Authorizing Consultant: LOONG TSE HAN ; MCR ID: 13541J

**General Information**

| Date of Surgery | Time of Surgery | Specialty             | Theatre        | Location          | Patient Class |
|-----------------|-----------------|-----------------------|----------------|-------------------|---------------|
| 29/6/22         | 12:32           | TTSH Gastroenterology | TTSH 2B ENDO 1 | TTSH 2B ENDOSCOPY | DS            |

**Specimens**

| ID | Source          | Type   | Tests                      | Collected By                   | Collected At     | Frozen? | Fixed Formalin Time |
|----|-----------------|--------|----------------------------|--------------------------------|------------------|---------|---------------------|
| A  | Gastric, Antral | Tissue | • HISTOPATHOLOGY - ROUTINE | Physician GASTROENTEROLOGY, MD | 30/6/22 12:34 PM | No      |                     |

Description: polyp

**Clinical Diagnosis**

Diagnosis

Colon cancer high risk

**Clinical History:**

polyps

**Investigations:**

**Operations Findings:**

For AP Lab Use Only

TTSH 2B SPECIMEN DISCHARGED (MRN S4409011B) Printed by Physician GASTROENTEROLOGY, MD [NGEMRGIMD] at 30/6/22 12:38 PM

Page 1 of 2

All breast specimens to be added 10% NBF within 1 hour of removal

Passing:

QC:

Sort Slide:

Tally Block:

Sign Off:

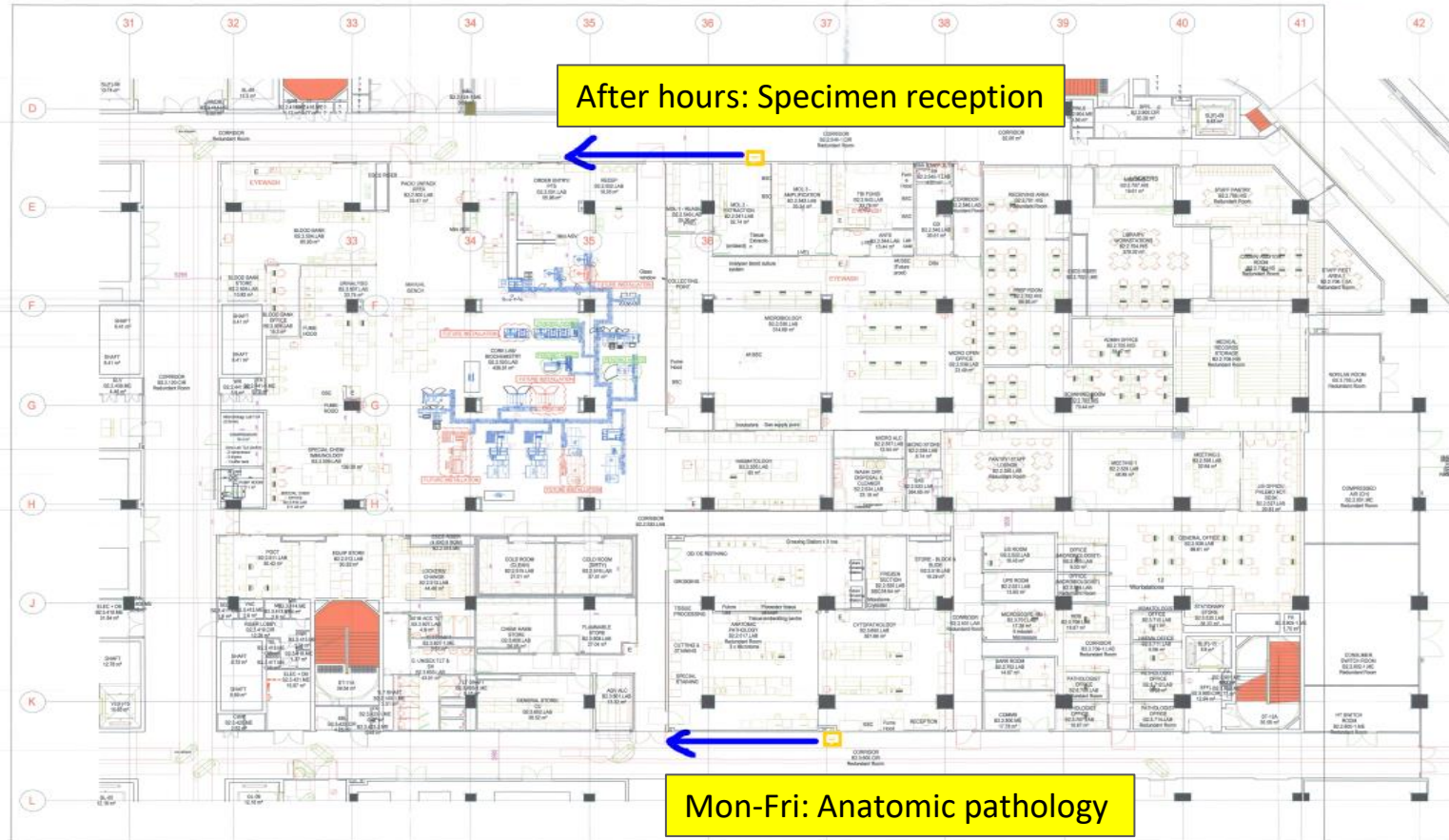
Consultation:

Cancer Registry Submission:

Tissue Review:

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 1A | 1B | 2A | 2B | 3A | 3B |
|----|----|----|----|----|----|

# Porter despatch route for Anatomic Pathology specimens



**THE END**