

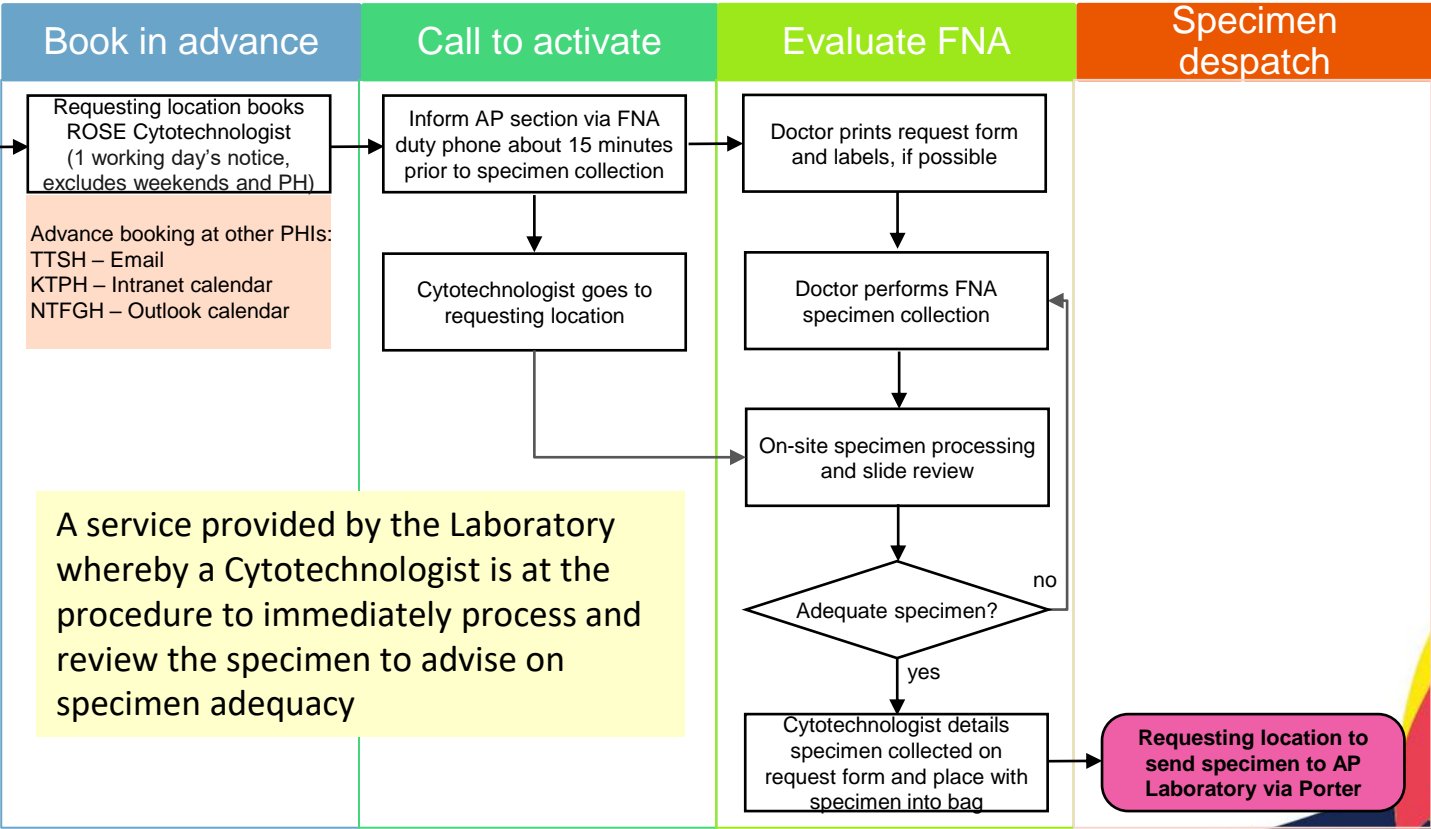
# Follow up on Fine-needle aspiration rapid on-site evaluation service

Laboratory Medicine and Pathology

# Cytotechnologist workflow for fine-needle aspiration (FNA) rapid on-site evaluation (ROSE) service

Cytotechnologist workflow for FNA ROSE

Abbreviations  
 AP: Anatomic Pathology  
 FNA: Fine needle aspiration  
 PHI: Public Healthcare Institutes  
 ROSE: Rapid on-site evaluation



A service provided by the Laboratory whereby a Cytotechnologist is at the procedure to immediately process and review the specimen to advise on specimen adequacy

# Fine-needle aspiration (FNA) rapid on-site evaluation (ROSE) service

Information	
Service hours for ROSE support	<p><b>Available from May 2024</b></p> <p>Monday to Friday 8.30 am to 12.30 pm, 2 pm to 4 pm (last call to attend procedure)</p>
Designated time slots for ROSE support	<ul style="list-style-type: none"><li>• DoR: Wednesday and Thursday, 8.30 am to 12.30 pm</li><li>• Endoscopy: Monday, Tuesday and Friday, 8.30 am to 12.30 pm</li><li>• Each patient booking 60 minutes (maximum).</li></ul> <p><i>Utilisation of time slots will be reviewed after 6 months post go-live.</i></p>
Ad hoc ROSE support requests: (same day requests)	<ul style="list-style-type: none"><li>• <i>Ad hoc</i> FNA ROSE support will be provided if FNA cytotechnologist is available.</li><li>• Each patient booking is 30 minutes.</li><li>• ROSE support is dependent on staffing availability.</li></ul>

## Terms

- Designated time slots: Planned and booked for DoR and Endoscopy.
- Open time slots: Any other service time apart from designated time slots.
- For ad hoc requests: Same day requests.

# Advance booking for FNA ROSE

Location of FNA ROSE	Advance or ad hoc (same day request)	Designated time slots?	Procedure ordered by	Schedule booking by
Department of Radiology (DoR)	Advance	Wed AM Thu AM	Outpatient Clinician	Outpatient: DoR PSA
			Inpatient Clinician	Inpatient: DoR IR Co-ordinator
Endoscopy centre	Advance	Mon AM Tue AM Fri AM	Outpatient Clinician	Respiratory and GS or Gastro PSA
			Inpatient Clinician	Endoscopy centre PSA

- Designated time slots for DoR and Endoscopy are not open to OPC and Inpatient ward booking.
- If DoR and Endoscopy needs to schedule patients out of their designated time slots (e.g. use open time slots), they are able to do so.

# Ad hoc request for FNA ROSE

Location of FNA ROSE	Advance or ad hoc (same day request)	Open time slots?	Procedure ordered by	Schedule booking by
Outpatient SOC	Ad hoc	Mon-Fri, PM	Outpatient Clinician	SOC PSA
			Inpatient Clinician	Inpatient PSA
Inpatient ward	Ad hoc	Mon-Fri, PM	Inpatient Clinician	Inpatient PSA

- For Ad hoc requests (same day), call FNA duty phone to check if cytotechnologist is available.

# FNA procedure orders performed at DoR

Location of FNA ROSE	Procedure ordered by	Schedule booking by
DoR	<p><b>Outpatient Clinician</b></p> <p>IMG3040022 NGEMR MG FNAC BREAST LEFT 1 LESION            IMG3040023 NGEMR MG FNAC BREAST LEFT 2 LESIONS            IMG3040024 NGEMR MG FNAC BREAST LEFT &gt;2 LESIONS            IMG3040025 NGEMR MG FNAC BREAST RIGHT 1 LESION            IMG3040026 NGEMR MG FNAC BREAST RIGHT 2 LESION            IMG3040027 NGEMR MG FNAC BREAST RIGHT &gt;2 LESIONS            IMG3040963 NGEMR US FNAC OTHERS 1 LESION            IMG3040964 NGEMR US FNAC OTHERS 2 LESION            IMG3040965 NGEMR US FNAC THYROID 1 LESION LEFT            IMG3040966 NGEMR US FNAC THYROID 1 LESION RIGHT            IMG3040967 NGEMR US FNAC THYROID 2 OR MORE LESION LEFT            IMG3040968 NGEMR US FNAC THYROID 2 OR MORE LESION RIGHT</p>	Outpatient: DoR PSA
	<p><b>Inpatient Clinician</b></p> <p>As above</p>	Inpatient: DoR IR Co-ordinator

# FNA procedure orders performed at DoR for outpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
DoR	Outpatient Clinician	Outpatient: DoR PSA



Order Search

IMG3040022

**Panels** (No results found)

**Medication** (No results found)

**Procedures** ^

Name	Type	Pref List	Px Code
  MG FNAC Breast Left 1 Lesion	Imaging	NGEMR WH I...	IMG3040022

# FNA procedure orders performed at DoR for outpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
DoR	Outpatient Clinician	Outpatient: DoR PSA

MG FNAC Breast Left 1 Lesion **IMG3040022**

Priority:

Status:

Expected Date:                 Approx.

Comment:

Expires:

Performing Location

**Note: 'w Cytotech' requirement is on by default.**



# FNA procedure orders performed at DoR for inpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
DoR	Inpatient Clinician	Inpatient: DoR IR Co-ordinator

**Inpatient Demo Patient at WH A22 Uncle Ee (via Patient Lists)**

Acute A22 All Patients 10 Patients

Destinat Days with Hospital Service	Admit Date/Time, IP LoS, EDD	Bed & Current Location	Patient	Attending Clinician	Nurse on Treatment Team	Acuity	Patient Level Notification	Problem List	Upcoming Procedure in 3 Days	Com/Hosp or SO
458	18/05/2... 457d 06/07/2...	V22B38E WH ACUTE W...	JURGEN LUIS R0028583H 12 y.o. 3 m.o. / M / Others	AISHA LATE...	—	—	—	Acute ischaemic stroke	Surgery: 0 Appts: 0	Accept patient for...
456	20/05/2... 455d 3h 06/07/2...	V22B32 WH ACUTE W...	JURGEN GALAXY R0028584F 25 y.o. / M / Others	AISHA LATE...	—	—	—	Metatarsal fracture	Surgery: 0 Appts: 0	—
138	21/03/2... 150d 6h 28/07/2...	V22B04 WH ACUTE W...	NGEMR POC EPIC MAY 2022 RA724 RA728 2 MAR 20...	AISHA LATE...	—	—	—	Diabetes mellitus with foot...	Surgery: 0 Appts: 0	—
649	08/11/2... 647d 23h 10/07/2...	V22B21 WH OPHTHAL...	WHC TEST 01 S5713229I 46 y.o. / M / Chinese	Edgar Lik W...	—	18	—	Pneumonia	Surgery: 0 Appts: 0	—
500	06/04/2... 499d 02/07/2...	V22B10 WH ACUTE W...	TEST PATIENT S7507388G 48 y.o. / F / Chinese	Fssurmd N...	—	—	—	Myocardial infarction	Surgery: 0 Appts: 0	—
501	05/04/2... 500d 5h 03/07/2...	V22B05 WH ACUTE W...	WHC EMOS IFT ONE S6412345I 45 y.o. / F / Indian	Edgar Lik W...	—	—	—	Intestinal obstruction	Surgery: 0 Appts: 0	Accept patient for...
34	04/04/2... 136d 12h 07/07/2...	V22B25 WH ENT CLINIC	UNCLE FREDDY S5402241G 35 y.o. / M / Chinese	Provider KA...	—	—	—	—	Surgery: 0 Appts: 0	—
24	26/07/2... 22d 21h 09/07/2...	V22B09 V22B09#B2	UNCLE EE S5996623E 35 y.o. / M / Chinese	AISHA LATE...	—	—	—	—	Surgery: 0 Appts: 0	—
—	11/08/2... 07/07/2...	V22B06 WH UJ TESTING	WH UJ TESTING	AISHA LATE...	—	—	—	—	Surgery: 0 Appts: 0	—

# FNA procedure orders performed at DoR for inpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
DoR	Inpatient Clinician	Inpatient: DoR IR Co-ordinator

Orders ? ↗ ✕ Manage Orders

Order and Order Set Search

IMG3040965 🔍 Browse P

Order Sets, Panels, & Pathways (No results found) Search order sets and panels

Medication (No results found)

Procedures ⤴

Name	Type	Pref List	Code	P
<span>🔍</span> US FNAC Thyroid 1 Lesion Left	Imaging	NGEMR IP FACILITY IMAGING	IMG3040965	

# FNA procedure orders performed at Endoscopy centre

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Endoscopy centre	<b>Outpatient Clinician</b> BRONCHOSCOPY [PRO 43] + w TBNA, W EBUS EUS UPPER GI3 + w FNA LQL EUS LOW GI43 + w FNA LQL	Respiratory and GS or Gastro PSA
	<b>Inpatient Clinician</b> As above	Endoscopy centre PSA

# FNA procedure orders performed at Endoscopy centre for outpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Endoscopy centre	Outpatient Clinician	Outpatient PSA

## Endoscopic Ultrasound (Lower) (EUS) w FNA

Dx Assoc.: Associate diagnoses ▼

Note: 'w Cytotech' requirement is on by default.

Planned Intervention:  w FNA  w Other

TOSP No TOSP - EUS (Lower) 🔍

Scope Clinician in Charge ABDUL KAREEM SALEEM AHMED 🔍

Performing Facility WH 🔍

Location for procedure: Endoscopy Centre 🔍

Procedure type:



# FNA procedure orders performed at Endoscopy centre for **inpatient**

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Endoscopy centre	<b>Inpatient Clinician</b>	Ward PSA

## Bronchoscopy w TBNA

Class:

Ancillary Performed

Clinic Performed

**Hospital Performed**

Dx association:

∨ Associate diagnoses

**Note: 'w Cytotech' requirement is on by default.**

Planned Intervention:

w Ablative Therapy  w Bronchial Thermoplasty  w Cryobiospy/ Cryotherapy  **w TBNA**  w EBUS

w Fluoro  w Lavage  w Navigation  w Stenting  w TBLB  **w TBNA**  w Other

**Or w EBUS**

Planned Intervention: ⓘ

w Ablative Therapy  w Bronchial Thermoplasty  w Cryobiospy/ Cryotherapy  **w EBUS**

w Fluoro  w Lavage  w Navigation  w Stenting  w TBLB  w TBNA  w Other

# FNA procedure orders performed at SOC

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Outpatient SOC	<b>Outpatient Clinician</b> ENT119 Fine Needle Aspiration, Free-hand ENT120 Fine Needle Aspiration, Ultrasound Guided ENT600 Fine Needle Aspiration of Thyroid/Neck, Ultrasound-Guided	SOC PSA
	<b>Inpatient Clinician</b> ENT600 Fine Needle Aspiration of Thyroid/Neck, Ultrasound-Guided	Ward PSA

# FNA procedure orders performed at SOC for outpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Outpatient SOC	Outpatient Clinician	SOC PSA

Fine Needle Aspiration, Free-hand **ENT119**  Ac

Status:

Expected Date:                Approx.

Comment:

Expires:

Scheduling Needs:

**Note: 'w Cytotech' question (LQL) is available. Clinician to click to request for support. This applies to SOC orders only.**

# FNA procedure orders performed at SOC for inpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Outpatient SOC	Inpatient Clinician	Ward PSA

Fine Needle Aspiration of Thyroid/Neck, Ultrasound-Guided **ENT600** ✓ Ac

Status: Normal Standing Future

Today Tomorrow 1 Week 2 Weeks 3 Weeks 4 Weeks 5 Weeks 6 Weeks

Expected Date:   
8 Weeks (2 Months) 12 Weeks (3 Months) 16 Weeks (4 Months) 26 Weeks (6 Months)

52 Weeks (1 Year) 2 Years  Approx.

Comment:   
On Arrival Other (specify)

Expires:

**Note: 'w Cytotech' question (LQL) is available. Clinician to click to request for support. This applies to SOC orders only.**

Scheduling Needs: w Cytotech

# FNA procedure orders performed at inpatient ward

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Inpatient ward	<b>Inpatient Clinician</b> ENT600 Fine Needle Aspiration of Thyroid/Neck, Ultrasound-Guided	Ward PSA

# FNA procedure orders performed at inpatient ward

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Inpatient ward	<b>Inpatient Clinician</b> ENT600 Fine Needle Aspiration of Thyroid/Neck, Ultrasound-Guided	Ward PSA

# FNA procedure orders performed at wards for inpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Inpatient ward	Inpatient Clinician	Ward PSA

**Patient Lists**

[Edit List](#) | [Patient Report](#) | [Write Handover](#) | [Quick Vitals](#) | [Wrap Text](#)

**Inpatient Demo Patient at WH A22 Uncle Ee (via Patient Lists)**

Refreshed just now | Search Current Locat...

☆ Acute A22 All Patients 10 Patients

Destinat Days with Hospital Service	Admit Date/Time, IP LoS, EDD	Bed & Current Location	Patient	Attending Clinician	Nurse on Treatment Team	Acuity	Patient Level Notification	Problem List	Upcoming Procedure in 3 Days	ComHos or SO
458	18/05/2... 457d 06/07/2...	V22B38E WH ACUTE W...	JURGEN LUIS R0028583H 12 y.o. 3 m.o. / M / Others	AISHA LATE...	—	—	—	Acute ischaemic stroke	Surgery: 0 Appts: 0	Accept patient for...
456	20/05/2... 455d 3h 06/07/2...	V22B32 WH ACUTE W...	JURGEN GALAXY R0028584F 25 y.o. / M / Others	AISHA LATE...	—	—	—	Metatarsal fracture	Surgery: 0 Appts: 0	—
138	21/03/2... 150d 6h 28/07/2...	V22B04 WH ACUTE W...	NGEMR POC EPIC MAY 2022 RA724 RA728 2 MAR 20... S5100353E 53 y.o. / M / Chinese	AISHA LATE...	—	—	—	Diabetes mellitus with foot...	Surgery: 0 Appts: 0	—
01	08/11/2... 647d 23h 10/07/2...	V22B21 WH OPHTHAL...	WHC TEST 01 S5713229I 46 y.o. / M / Chinese	Edgar Lik W...	—	18	—	Pneumonia	Surgery: 0 Appts: 0	—
01	06/04/2... 499d 02/07/2...	V22B10 WH ACUTE W...	TEST PATIENT S7507388G 48 y.o. / F / Chinese	Fssurmd N...	—	—	—	Myocardial infarction	Surgery: 0 Appts: 0	—
01	05/04/2... 500d 5h 03/07/2...	V22B05 WH ACUTE W...	WHC EMOS IFT ONE S6412345I 45 y.o. / F / Indian	Edgar Lik W...	—	—	—	Intestinal obstruction	Surgery: 0 Appts: 0	Accept patient for...
—	04/04/2... 136d 12h	V22B25 WH ENT CLINIC	UNCLE FREDDY S5402241G 35 y.o. / M / Chinese	Provider KA...	—	—	—	—	Surgery: 0 Appts: 0	—
—	26/07/2... 22d 21h	V22B09 V22B09#B2	UNCLE EE S5996623E 35 y.o. / M / Chinese	AISHA LATE...	—	—	—	—	Surgery: 0 Appts: 0	—
—	11/08/2...	V22R06	WH LJ TESTING	AISHA LATE...	—	—	—	—	Surgery: 0	—

**My Lists**

- Call patient
- NSI Patients
- Test
- TestAung
- To follow up with result
- My Favourite Lists
- Shared Patient Lists
- Shared Reminder Lists

**Available Lists**

- WH Discipline (Intensive Care Unit)
- WH Discipline (PARC)
- WH Discipline (Pharmacy)
- WH Discipline (Specialty Nurses)

# FNA procedure orders performed at wards for inpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Inpatient ward	Inpatient Clinician	Ward PSA

**Orders** ? ↶ ✕ Manage Orders

Order and Order Set Search

IMG3040965 🔍 Browse

**Order Sets, Panels, & Pathways** (No results found) Search order sets and panels

**Medication** (No results found)

**Procedures** ⤴

Name	Type	Pref List	Code	P
<span>🔍</span> US FNAC Thyroid 1 Lesion Left	Imaging	NGEMR IP FACILITY IMAGING	IMG3040965	

# FNA procedure orders performed at wards for inpatient

Location of FNA ROSE	Procedure ordered by	Schedule booking by
Inpatient ward	Inpatient Clinician	Ward PSA

Snapboard: WH LAB FNA Snapboard (Mon 21/8/2023 - Shift Assignments from 08:30 AM to 04:00 PM) - Default

Height: - + Width: - +

	WH LAB CYTOLOGIST (IP WARD) WH ANATOMIC PATHOLOGY LABORATORY	WH LAB CYTOLOGIST (IP DOR/ENDO) WH ANATOMIC PATHOLOGY LABORATORY	OUTPATIENT WH L3 FINE NEEDLE ASPIRATION WH SOC LEVEL 3
1p			1 1 1 1 1 1 1
2p	1 1 1 1 1 1 1		0 1 0 1

**Visit Type: Wh Endocrinology Tt; Provider: WH L3 FINE NEEDLE ASPIRATION**

Patient: CADENCESATTSHUAT1 [S5011504F]; M; 33 yrs  
 Start: 2:00 PM; End: 2:30 PM  
 Length: 30 min

Appointment providers:  
 WH L3 FINE NEEDLE ASPIRATION in Wh Soc Level 3

Routine

NGEMR FINE NEEDLE ASPIRATION FOR TH...  
 CADENCESATTSHUAT1, C.; M; 33 yrs  
 WHL3FNA


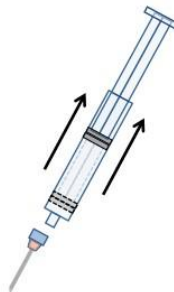
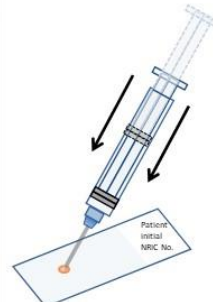
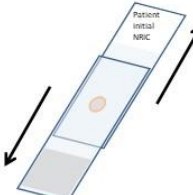
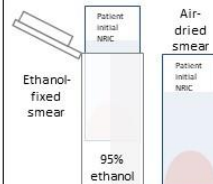

## FNA specimen collection kit (no Cytotechnologist)

- Clinician performs FNA without Cytotechnologist
- Clinician refer **to Laboratory Service guide for specimen preparation instructions**
- Call Anatomic Pathology section to **request FNA specimen collection kit**
- Requesting location sends porter to collect
- Porter brings FNA specimen collection kit from laboratory to requesting location
- Clinician performs FNA; PSA or nurse assists
- Clinician does smears and needle rinse (depends on department workflow)
- Requesting location sends specimen to AP Laboratory via Porter

# Fine-needle aspiration (FNA) specimen collection instructions

*(In Laboratory Service guide)*

## Preparation of slides from fine needle aspirate (FNA)

 <p><b>Step 1:</b> Obtain the specimen by using the standard FNA technique from identified lesion.</p>	 <p><b>Step 2:</b> Detach the needle from the syringe. Fill the syringe with air. Reattach the needle to the syringe.</p>	 <p><b>Step 3:</b> Place the bevel of the needle against the glass slide and expel a drop of material (3 mm to 5 mm in diameter) onto one slide.</p>	 <p><b>Step 4:</b> Place a second glass slide onto the first lengthwise, allow the material to provide surface tension between the two slides, gently and quickly pull the two slides apart.</p>	 <p><b>Step 5:</b> Immediately place one smear in a slide mailer with 95% ethanol. Air-dry the other smear and place into a separate mailer without ethanol.</p>	<p><b>Note:</b> A dedicated needle pass should be taken if cell block is requested.</p>  <p><b>Step 6:</b> Collect the remaining material in the needle into a container with the appropriate fixative. Perform needle rinse by drawing up small amount of fixative into the needle hub and expel the content back into the fixation.</p>
---	--	---	--	---	--