

Respiratory Swab Collection

Collection of Respiratory Swabs

This presentation will cover 4 main issues:

- Collection of good quality respiratory specimens
- Maintenance of infection control
- Recording of patient information and documentation
- Ensuring patient comfort

Collection of Respiratory Swabs

It is important to understand that the methods explained in this presentation can be applied to the collection of nose and throat swabs from any respiratory viruses.

Collection of Respiratory Swabs

Before collecting specimens:

- Be aware of the virulence of the virus (can change year to year)
- Be aware of the infectiousness of the virus.
- Refer to current state government guidelines on infection control

Equipment required for collection

- Alcohol based hand rub (if soap and water not available)
- Appropriate masks
- Gloves
- Disposable Gowns
- Eye Protection
- Waste disposal bag
- Pen
- Paperwork – request forms
- Viral swabs – throat and nose
- Specimen bag
- Box of tissues

Viral Swabs

1 green capped viral transport tube per specimen



Insert video footage of Green Transport
Swab in packet



UTM tube and flocced swab



Insert video footage of UTM
tube in packet



Health

Video Footage inserted here



Collection of Respiratory Swabs

If patient is symptomatic:

- Ask them to put on a mask and give them alcohol based hand rub

For all patients:

- Explain risks of coughing or sneezing
- Explain what you are about to do

Westmead Hospital				0	4	0	8
MRN							
Surname							
Given Name							
Address							
DOB		Sex		Ward/Clinic			



NSW HEALTH

APA: Sydney West Area Health Service (SWAHS) 1053
Westmead Hospital, Hawkesbury Rd, Westmead 2145

APL: ICPMR - Westmead Laboratory

Patient Status at Time of Collection

- A Private patient in a private hospital or approved day hospital facility
- A Medicare (public) patient in a recognised hospital
- A Private patient in a recognised hospital
- An Outpatient of a recognised hospital
- An overseas visitor
- Specimen for research only

Clinical Notes

ABG FI02 ____ . ____

Last dose information

Smear <input type="checkbox"/> Cervix <input type="checkbox"/> Vagina <input type="checkbox"/> Vault <input type="checkbox"/> Vulva	Cervix <input type="checkbox"/> Normal <input type="checkbox"/> Suspicious <input type="checkbox"/> Eroded <input type="checkbox"/> Absent <input type="checkbox"/> Not Seen	Clinical Details <input type="checkbox"/> Radiotherapy <input type="checkbox"/> Post Menopausal <input type="checkbox"/> OCP <input type="checkbox"/> Pregnant LMP ____ / ____ / ____	<input type="checkbox"/> Post Natal <input type="checkbox"/> IUD <input type="checkbox"/> HRT	Therapeutic drugs _____ _____	Date _____ _____	Time _____ _____
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Tests Requested	(Please tick the tests that are required urgently <input checked="" type="checkbox"/>)	Collection site
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	

Requesting Dr (Surname and Initials, Address)	Provider Number	Copy of report to Dr
Signature	Date of Request	Address or Fax No.

Specimen collected by:										Collection Date / /				Collection Time : am / pm					
Blood specimen collected								Swabs			Urine				Slide		Jar		
EDTA	ESR	Citrate	PST	Clot	Fl-Ox	SST	Micro	Viro	Chlam	Spot	24 hr	Micro	Cyto	PAP	Cyto	AP	Sputum	Fluid	Faeces

Documentation

- Name
- Date of Birth
- Date (+/- time) of collection
- Required test
- Description of symptoms
- Date of onset of symptoms
- Names of contacts and or recent travel history
- Vaccination status
- Contact with any PHU

Sequence of Donning PPE

Wash Hands

Gown

Mask

Eye protection

Gloves

Insert video of putting on a gown

Sequence of Donning PPE

Wash Hands

Gown

Mask

Eye protection

Gloves

Add screen shot of different types of mask ie:- Elastic sides and tie back

- Loop
- String
- P2

Insert video footage of putting
on a mask



Health

Sequence of Donning PPE

Wash Hands

Gown

Mask

Eye protection

Gloves

Add screen shot of different types of eye protective equipment

- Screen shot of different types of eye protection
- Goggles
- Facesheild x 2
- Slash glasses

Insert video footage of putting
on eye protection

Sequence of Donning PPE

Wash Hands

Gown

Mask

Eye protection

Gloves

Insert video footage of putting
on gloves



Health

Collecting swabs

- Ask patient to remove their mask and dispose of it properly
- Perform identity check
- Ask patient stand with back of head against a wall or the back of a chair

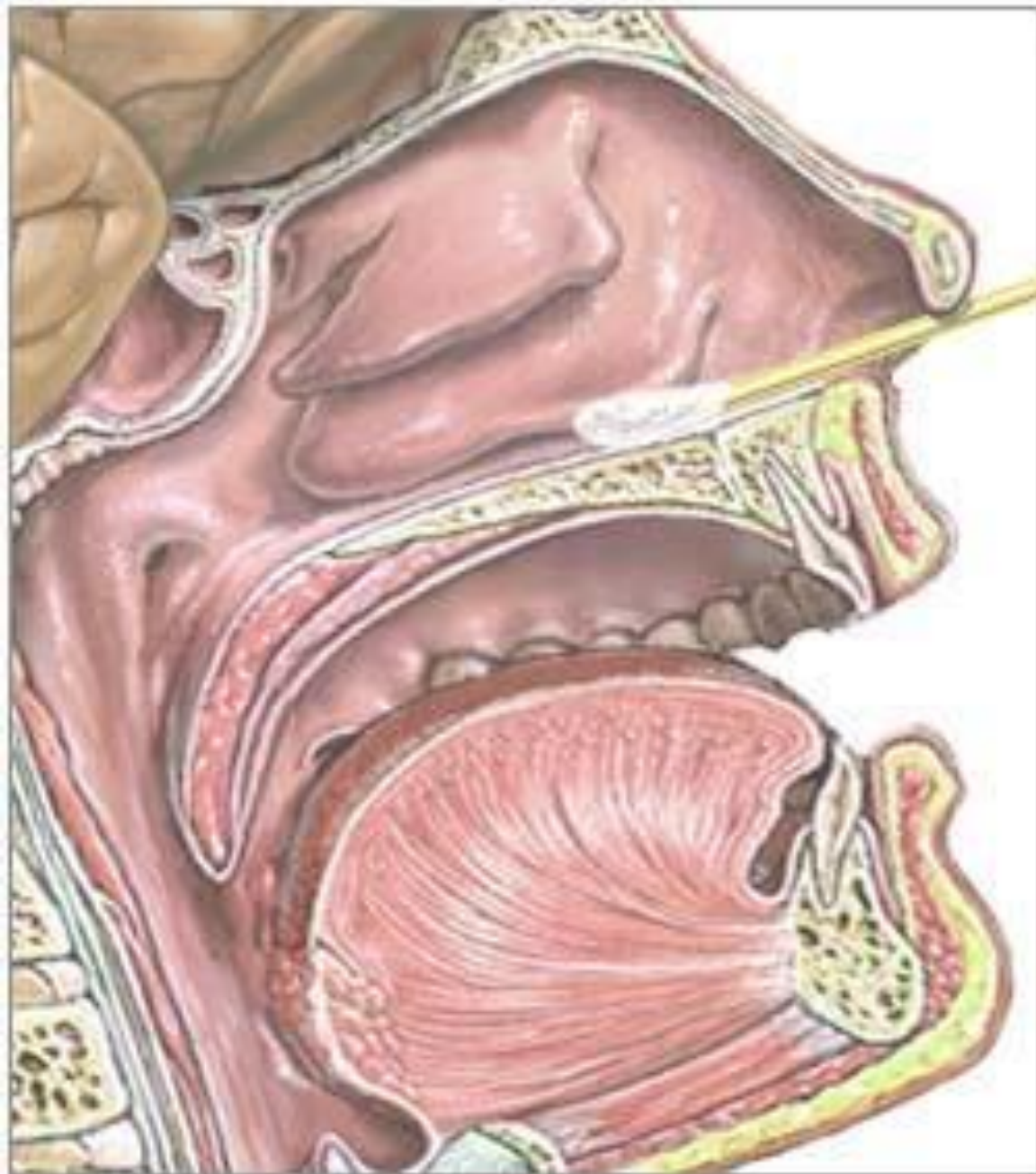
Collecting Swabs - Important!

- To ensure a good quality specimen for the identification of respiratory viruses, it is important to collect epithelial cells from the nasal septum and the pharynx
- Try to avoid collecting nasal secretions and saliva

Insert video footage of
collecting a nasal swab

Collecting a Nasal Swab

- Stand at side of patient
- Place non dominant hand on forehead and thumb at tip of nose
- Insert viral swab into the nearest nostril, horizontally, approx 2cm
- Place sideways pressure on the swab to collect epithelial cells from the midline nasal septum and rotate swab two or three times
- Place swab directly into tube



A sterile swab is passed gently through the nostril and into the nasopharynx

Insert video footage of
collecting a throat swab



Health

Collecting a Throat Swab

- Stand at side of the patient
- Place non dominant hand on forehead, ask patient to open their mouth widely and say aaah
- Insert swab into mouth avoiding any saliva
- Place sideways pressure on the swab to collect cells from behind the faucal pillars at the side of the pharynx and rotate swab twice
- Place swab directly into tube

Swab



Throat is swabbed
in the area of
the tonsils

Tonsil

Sequence of Removing PPE

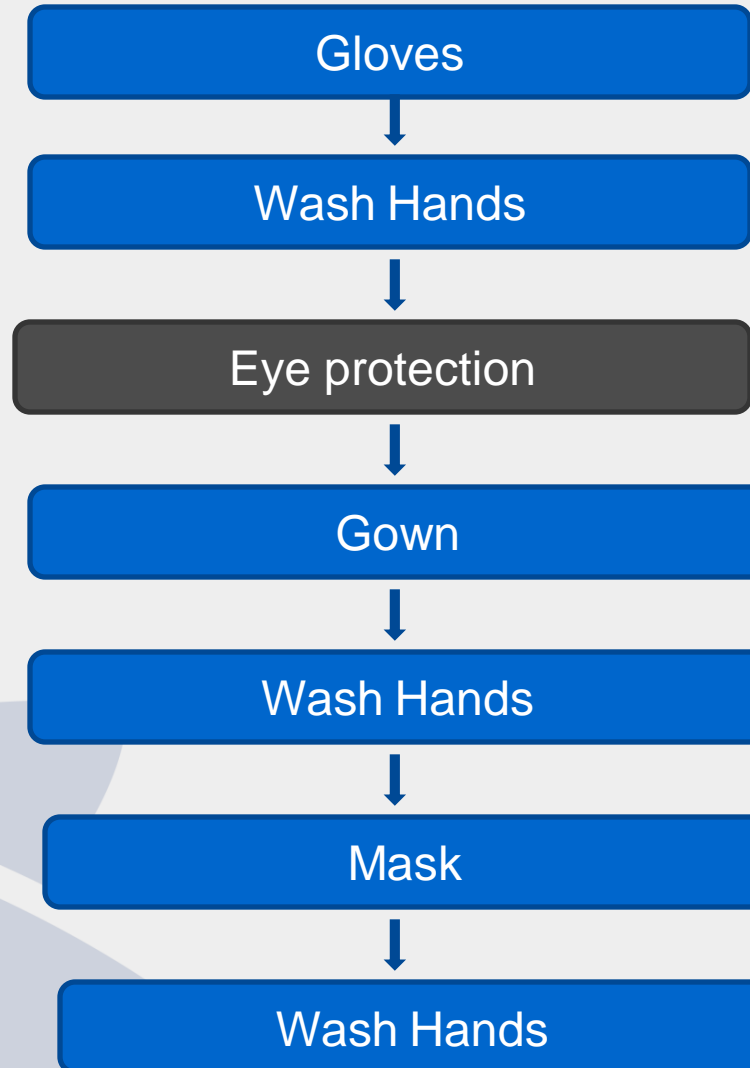


Insert video footage of
removing gloves

Insert footage of providing tissues to patient and a new mask



Sequence of Removing PPE



Insert video footage of removing protective eyewear.



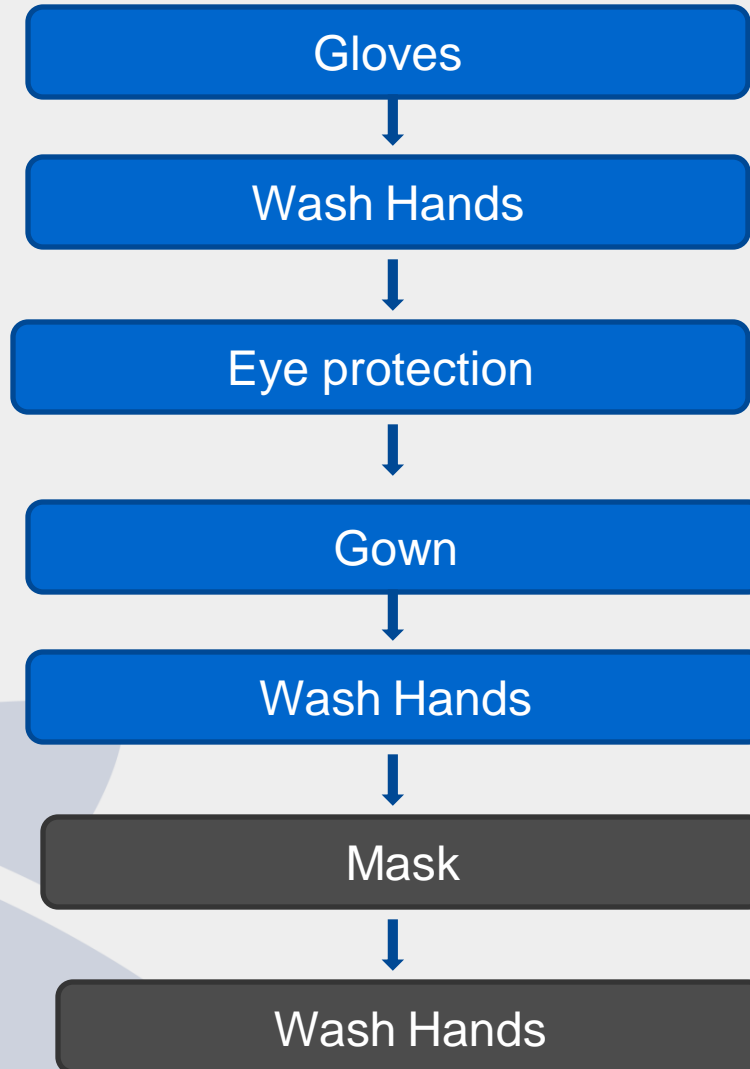
Sequence of Removing PPE



Insert video footage of removing a gown.



Sequence of Removing PPE



Insert video footage of removing mask.



Finally:

- Arrange transfer of specimens to laboratory as soon as possible
- Store and transport specimens at 4-8 degrees C