

Workflow for Management of Latex Allergy

For elective cases

Preoperative Phase: (One day before OT)

1. Review patient's medical history/medical record for indications for implementing latex allergy precautions.	1.1 Review history of latex allergy; medication use, including antihistamine and steroids; labs/other diagnostic test results, including allergy testing; and allergies (use alternatives, as appropriate).
2. The patient should be arranged as first case on the morning list.	
3. The theater should be dump dusted with all latex products or equipment removed the day before. (At least 3 hours beforehand) <i>□ Cleaning procedure</i>	3.1 Remove all latex containing products or products with unknown latex status from the theatre. 3.2 Remove all furniture inside the theatre. 3.3 Evacuate the warming cabinet and clean respectively. 3.4 Clean the theatre and scrub bay thoroughly (大洗). 3.5 The cleaning team should wear latex free attire (e.g. latex free gloves, cap, protective gown and mask). (fig. 1) 3.6 Clean with latex free cloth (Verasoft) and



(fig. 1)

Meditap. Provide latex free basin to the cleaning team. (fig. 2)

3.7 Clean the surfaces of anesthetic machine, computer, OT lamp, control panel in the theatre (other furniture should be transferred to induction room).

3.8 Clean the surfaces of following items before putting them into the theatre:

- Latex free cupboard and trolley
- OT table, gauze rack, drip stand, PNIS TV, mayo tray
- Surgical equipment (e.g. diathermy, suction, etc.)
- Anesthetic equipment (e.g. syringe pump, blood warmer, SCD, inditherm, ultrasound, etc.)

3.9 Estimate no. of trolleys required and clean relatively.

- Circulating nurse working trolley
- Intubation trolley (+/- trolley for SA/EA/RA etc.)
- IV trolley
- Surgical instruments trolley (+/- trolley for foley insertion)

3.10 Prepare & clean the transportation stretcher for patient transfer. (fig. 3)



(fig.2)



(fig. 3)

4. Restrict any personnel entering the theater room after cleaning.

4.1 Shut down the power of the theatre main door.

4.2 Post Signage “No Entry, Latex Free Area 不准内進” on all doors of the theatre. (fig. 4)





(fig. 4)

5. The theatre should be set up as the followings:

Set-up procedure

5.1 The Latex-Free cupboard and trolley should be checked before putting into the theater. (fig.5)

5.2 Replace the theatre drug trolley by latex free drug trolley.

Fill the top shelf

- i. 10 ml and 100 ml NS
- ii. 10 ml and 100 ml Water for Injection
- iii. Kidney dish
- iv. Handrub
- v. Sharp box

5.3 Attach the latex free monitoring cables, breathing circuit, filters, catheter mount, angle, sampling line, water trap and ventilation bag (from the cart) onto the anesthetic machine. Perform Level II check by Anaesthetic Assistant



(AA). (fig.6)

5.4 Preparing intubation trolley (fig.7)

- Laryngoscope
- Mask, LMA, ETT, airway
- Suction catheter, yankauer, suction tubing
- Green gauze, tape, incontinence pad
- Artery forceps, magill forceps
- The original intubation trolley should be parked at the induction bay
- Latex free gloves

5.5 Prepare IV trolley (fig.8)

- IV Drip set, 3-way connector, extensions
- Syringes
- IV catheter, hep Block, tegaderm, transpore, alcohol swab, tourniquet
- Sharp box, kidney dish

5.6 Prepare gown up trolley



(fig. 5)



- Latex free surgical gloves
- Sterile surgical gown
- Surgical OT cap
- PPE
- Goggles/ face shield
- Mask

5.7 Prepare accessories for positioning.

- Gel pad
- Linen, pillow case
- OT table accessories

5.8 Prepare a trolley as a working table for circulating nurses. (fig.9)

- Prepare stationery

5.9 Prepare trolleys for surgical instruments.

5.10 Prepare surgical consumables:

- Make a list of surgical consumables
- Confirm latex status
- Collect from store
- Transfer into the theatre

5.11 Prepare IV fluid, irrigation fluid and



(fig.6)



(fig.7)

disinfectant:

- Make a list
- Confirm latex status
- Collect from the store.
- Transfer into the theatre

5.12 Fill up the warming cabinet according to the needs. (fig.10)

- IV fluid, irrigation fluid, blanket, towel

5.13 Move the SSD instrument cart (鐵甲車) into the theatre. (fig. 11)



(fig.8)



(fig.9)



(fig. 10)





(fig. 11)

Latex free OT Completed:
(fig 12)



Preoperative Phase: (On OT Day)

<p>1. All personnel must use clean, latex-free attire and wash hands thoroughly before entering the latex free theatre.</p>	<p>1.1 All staff should gown up with latex free attire before entering the theatre.</p>	
<p>2. Report to holding IC when the theatre is ready.</p>	<p><input type="checkbox"/> Nurse-in-charge should check the following items are ready:</p>	

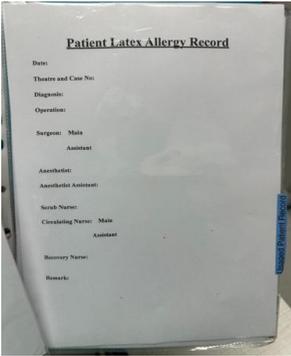
	<ul style="list-style-type: none"> <input type="checkbox"/> Anaesthetic equipment <ul style="list-style-type: none"> ■ Anesthetic machine ■ Intubation equipment ■ IV access equipment ■ Drug and IV fluid <input type="checkbox"/> Surgical equipment <ul style="list-style-type: none"> ■ Instrument ■ Consumables ■ Equipment required <input type="checkbox"/> Ensure Alert signages are posted on all theater doors. 	
<p>3. Switch on the power of the theatre main door.</p>		
<p>4. Patient should be sent to the theater directly for preoperative checking.</p>	<p>4.1 Holding IC confirms the theatre is ready.</p> <p>4.2 Premed & send case-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use the Pre-cleaned stretcher in theatre <p>4.3 Arrange a portering staff with latex free attire to send the case to OT.</p> <p>4.4 Provide latex free attire for portering staff.</p> <p>4.5 Theatre AA and 1 theatre nurse (with latex free attire) take over the patient at holding and transfer the patient directly into theatre.</p> <p>4.6 Check identity at holding area & click the OTMS Floor-in time</p> <p>4.7 Pre-op check should be done in the</p>	

	theatre.	
5. Assign an outside runner to stand-by in the induction room.	5.1 Communicate with theatre nurses by walkie-talkie or by phone.	

<i>Intraoperative Phase:</i>		
1. All personnel must use clean, latex-free attire and wash hands thoroughly before entering the latex free theatre.	1.1 All staff should gown up with latex free attire before entering the theatre.	
2. The number of staff entering the theatre		

should be minimized.		
3. Avoid latex containing surgical equipment (Please refer to latex free material list).	3.1 Confirm the latex status of all items before use.	
4. For medication in a vial with unknown latex status, remove the rubber cap in advance. Avoid direct puncture by needle. (fig. 13)	4.1. Check the latex status of vial before use.	 <p>(fig. 13)</p>
5. Prepare resuscitation drugs and equipment, dilute concentration of epinephrine (0.01mg/ml or 1:100,000) available.		

Postoperative Phase:		
1. Patient should stay in latex-free theater for recovery or corner area in recovery room.	1.1. One nurse and AA stay in theatre until patient discharge.	
2. Keep alert signage posted on bed.		
3. Inform Holding IC when patient fit for		

discharge.		
<p>4. Arrange a portering staff to transfer patient to designated ward. (call 7093 in non-office hour)</p>	<p>4.1. Provide latex free attire for the portering staff.</p>	
<p>5. For patients need to be transferred to ward/ ICU, informed about patient's latex allergy status and transfer with the Latex-Free Box.</p>	<p>5.1 Contact ward nurse when portering staff is ready. 5.2 Theatre nurse and AA transfer the patient from theatre to holding area. 5.3 Handover at holding area.</p>	<p>*Location of Latex free box: Latex free cupboard - Latex Free Gloves - Oral Airway - Nasal Cannula - Tongue depressor</p>
<p>6. Record in latex allergy record book. (fig. 14)</p>	<p>6.1 Record book kept in latex free cupboard.</p>	 <p>(fig. 14)</p>