

Donning and Doffing of PPE for non-sterile AGP with Air Fed Hood

This guideline is intended for use by all staff working with Covid-19 positive or Covid-19 suspected patients during non-sterile aerosol generating procedures. The guideline is based on advice from Health Protection Scotland and should be used in conjunction with the video

<https://www.hps.scot.nhs.uk/web-resources-container/covid-19-guidance-for-secondary-care/>

For guidance regarding Personal Protective Equipment in *sterile* procedures for Covid-19 positive or Covid-19 suspected patients follow this alternative guideline: Donning and Doffing of Personal Protective Equipment for Sterile Procedures.

Step	DONNING		✓
1.		Fluid resistant face mask	
		Long sleeved, rear fastening, fluid resistant disposable surgical gown.	
		Disposable plastic apron.	
		Versaflo TR-302E powered air turbo unit system with charged battery.	
		Versaflo breathing tube.	
		Versaflo Head Cover (Hood) for use with Powered Air Respirator.	
		Pair of non-sterile gloves.	
		All other equipment required for task once inside the room.	
2.	Assemble and check Versaflo TR-302E powered air turbo unit:	Check battery by holding down battery button and observing green light. Each bar represents 20% battery life.	
		Fit the battery and check that it engages with an audible click. Check it is engaged by gently pulling it.	
		Check air flow by attaching air flow indicator and turning the unit on at the power button. Hold the unit upright and check that the ball rests at or above the minimum flow mark.	
		Insert the bayonette end of the breathing tube into the powered air turbo unit and then pull back gently on the breathing tube to ensure it is fitted securely.	
3.		<ul style="list-style-type: none"> • Tie long hair back. • Remove any jewellery, ID badge / lanyard and mobile phone from person. • Cover any cuts/abrasions/breaks in the skin with a waterproof dressing. • If glasses are worn, clean them with an alcohol lens wipe. 	
4.		Collect all PPE components and take to area where PPE will be donned.	
5.		Perform hand hygiene using soap and water OR alcohol hand based hand rub for 20 seconds.	
6.		Put the powered air turbo unit around the waist, and adjust the belt to ensure a secure fit.	
7.		Don long sleeved, rear fastening, fluid resistant disposable surgical gown.	
8.		Secure the gown over the air turbo unit - Do not use the inside tie. Fasten the neck tie with Velcro and then the waist ties.	
9.		Don disposable plastic apron over long-sleeved, fluid-resistant, disposable surgical gown.	
10.		Don fluid resistant face mask.	
11.		Don Head Cover (Hood). Avoid touching the front of the hood.	
12.		Ask colleague to attach the free end of the breathing tube into the socket of the Head Cover (Hood), and switch the powered air turbo unit system on.	
13.		Don pair of non-sterile disposable gloves, extending over wrist.	
14.		You are now ready to enter the room.	

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Step	DOFFING	✓
	Note: PPE except the hood should be removed inside the patients room.	
1.	Remember that the outside of the gloves are contaminated. To safely remove the gloves, the healthcare worker will: <ul style="list-style-type: none"> • Grasp the outside of the glove with the opposite gloved hand, peel off. • Hold the removed glove in the gloved hand. • Slide the fingers of the un-gloved hand under the remaining glove at the wrist. • Peel the remaining glove off over the first glove. • Dispose of the gloves in a clinical waste bin. 	
2.	Clean hands with alcohol hand gel/rub.	
3.	Remove the disposable plastic apron. Unfasten or break ties. Pull the apron away from the neck and waist folding or rolling the apron away from the body in to a bundle and discard as healthcare waste.	
4.	Remove the surgical gown slowly and carefully (remember, the gown front and sleeves are contaminated): <ul style="list-style-type: none"> • Undo the neck tie. • Undo the waist tie. • Pull the gown away from the neck and shoulders touching the <i>inside</i> of the gown only using a peeling motion, turning the gown inside out. • Fold or roll the gown away from the body in to a bundle and discard into a healthcare waste bin. 	
5.	Leave the patient room wearing the hood.	

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Step	DOFFING Note: PPE except the respirator should be removed inside the patients room.	✓
6.	Clean hands with alcohol hand gel/rub.	
7.	Ask colleague to turn off powered air turbo unit and unplug the breathing tube from the socket of the Head Cover (Hood).	
8.	Remove the powered air turbo unit and belt from waist.	
9.	Remove Head Cover (Hood) +/- Fluid resistant face mask (depending on involvement in patient transfer)	
10.	Perform hand hygiene using soap and water OR alcohol hand based hand rub for 20 seconds.	
11.	After each use clean the Head Cover (Hood), powered air turbo unit and belt according to local guidance and re-charge battery.	
12.	Perform hand hygiene using soap and water OR alcohol hand based hand rub for 20 seconds.	

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