

## Coronavirus Disease 2019 (COVID-19)

# Infection Prevention and Control Requirements for Aerosol-Generating Medical Procedures

This document was adapted from the [Routine Practices Additional Precautions](#) for management of COVID-19 for health care workers. For more information, please contact the Infection Prevention and Control department at Public Health Ontario at [ipac@oahpp.ca](mailto:ipac@oahpp.ca).

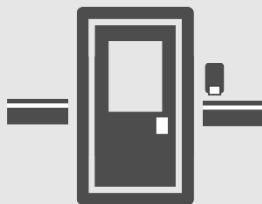
## Hand Hygiene



### Hand hygiene is performed:

- Before and after each patient contact.
- Before performing invasive procedures.
- After care involving body fluids and before moving to another activity.
- Before putting on and after taking off gloves and other PPE.
- After personal body functions (e.g., blowing one's nose).
- Whenever hands come into contact with secretions, excretions, blood and body fluids.
- After contact with items in the patient's environment.
- Whenever there is doubt about the necessity for doing so.

## Procedure Room



- All elective aerosol-generating medical procedures (AGMPs) should be postponed until the illness is resolved.
- Whenever possible, perform AGMPs in an Airborne Infection Isolation Room (AIIR) with the door closed. AIIRs should have:
  - a minimum of 12 air changes per hour in new facilities and a minimum of six air changes per hour in existing facilities;
  - inward directional air flow;
  - air exhausted directly outside the building and away from intake ducts or through a high efficiency particulate air (HEPA) filter, if recycled.
- Keep the number of people in the room during the procedure to a minimum.
- Have only highly experienced staff perform the procedure.
- Ensure the door remains closed post-procedure and is not used for another patient until air exchanges have been completed as per your organization's policy and procedures.

## Personal Protective Equipment (PPE)



- Wear N95 respirator and eye protection
  - Ensure everyone is instructed in the proper use of N95 respirators and eye protection.
  - Staff should wear a fit-tested, seal-checked N95 respirator and face/eye protection.
- Wear gloves and gown when performing AGMPs.
  - Ensure everyone is instructed in the proper use of gloves and gowns.
  - **Wearing gloves is NOT a substitute for hand hygiene.**

After the procedure:

- Remove gloves, then gown and perform hand hygiene.
- Remove eye protection, then respirator and perform hand hygiene.



## Environment and Equipment

- Ensure the procedure room is cleaned between patients.
- Use equipment and techniques that minimize exposure to respiratory pathogens.
- Thoroughly clean and disinfect reusable equipment between patients as per the manufacturer's instructions for use.



## Patient Transport

- Patient to wear a mask during transport, if tolerated.
- If the patient cannot tolerate wearing a mask, transport staff should wear a mask and eye protection.
- Transport staff should consult with IPAC specialist for additional instructions.
- Clean and disinfect equipment used for transportation after use.

## Sources

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Routine practices and additional precautions in all health care settings [Internet]. 3rd ed. Toronto, ON: Queen's Printer for Ontario; 2012 [cited 2020 Feb 19]. Available from: [www.publichealthontario.ca/en/eRepository/RPAP\\_All\\_HealthCare\\_Settings\\_Eng2012.pdf](http://www.publichealthontario.ca/en/eRepository/RPAP_All_HealthCare_Settings_Eng2012.pdf)

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Best practices for prevention, surveillance and infection control management of novel respiratory infections in all health care settings [Internet]. 1st revision. Toronto, ON: Queen's Printer for Ontario; 2020 [cited 2020 Feb 19]. Available from: <https://www.publichealthontario.ca/-/media/documents/bp-novel-respiratory-infections.pdf?la=en>

The information in this document is current as of March 17, 2020