



TITLE	MRI Anesthesia COVID-19 Process and Protocol
TODAY'S DATE	4/6/2020
SECTION	<input checked="" type="checkbox"/> Organization Wide <input type="checkbox"/> Emergency Department <input type="checkbox"/> Inpatient <input type="checkbox"/> Ambulatory <input type="checkbox"/> Nursing <input type="checkbox"/> Medical staff [physicians and advance care practitioners]

APPLICABLE LOCATIONS	<input type="checkbox"/> All Bozeman Health locations <input checked="" type="checkbox"/> Bozeman Health Deaconess Hospital <input type="checkbox"/> Big Sky Medical Center	<input type="checkbox"/> Belgrade Clinic + UrgentCare <input type="checkbox"/> Hillcrest Senior Living <input type="checkbox"/> b2 UrgentCare <input type="checkbox"/> b2 MicroCare
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PURPOSE:

The following recommendations provide a protocol and guidance for MRI Anesthesia during the COVID-19 pandemic to protect the healthcare workers (HCW), patients, and community.

Procedure:

1. Radiologist, anesthesiologist, and referring provider will need to deem the MRI diagnostic exam to be **essential**.
2. Once deemed essential the anesthesiologist has two (2) options to complete the procedure:
 - A. Identify if sedation or general anesthetic will be utilized.
 1. Sedation preferred:
 - a. Anesthesiologist would provide sedation and an aerosolizing procedure will NOT performed.
 2. General Anesthetic preferred:
 - a. Anesthesiologist would intubate the patient in the MRI suite, perform scan, and then transfer to PACU where they can extubate the patient in a negative pressure room.
 - b. Cleaning guidelines include MRI suite being vacant for 60 minutes from time of intubation to let particles settle (air exchange) and then wipe down all surfaces and mop room.
 - c. Cleaning PACU negative pressure room will include vacating the room for 30 minutes after extubation, wiping down all surfaces, mopping floor and UV lighting room.

Assumptions:

1. Intubating a patient for a MRI is considered an aerosolizing procedure, which requires PAPR, N95 or a P95 mask that will be designated to the MRI technologist. (See Addendum A for P95 seal testing) All staff will also be required to take contact precautions and don appropriate PPE (face shield, mask, gown).
2. The MRI technologist that is in the control room would remain outside zone 4 and remain in control room until suite is appropriately cleaned.
3. Only essential health care providers (RN and Anesthesiologist) will be present during intubation and extubation.



Addendum A: **P95 and P100 Seal Testing:**

- Ideally the user should be fit tested to a specific size mask. However, if fit testing is not available, several self-seal tests could be used to ensure an adequate fit before mask use.
- Always check the seal of the respirator on your face with both a positive and negative pressure user seal check before entering a contaminated area.
- Positive pressure user seal check:
 - Cover the exhalation valve cover with hand and exhale gently. If facepiece bulges slightly and no air leaks are detected between your face and facepiece, a proper seal has been obtained.
 - If facesal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.
 - If you cannot achieve a proper seal DO NOT use respirator.
- Negative pressure use seal check:
 - Place palms of gloved hands over the face of filter cartridge or air intake valve.
 - Inhale gently. If you feel facepiece collapse slightly and pull closer to your face with no leaks between the face and facepiece, a proper seal has been obtained.
 - If facesal air leakage is detected, reposition respirator on your face and/or readjust tension of the elastic straps to eliminate leakage.
 - If you cannot achieve a proper seal DO NOT use respirator.



Emergency P95 and P100 Mask Seal Test for Code Blue Response



1) Put the mask on:

Place the mask on your face and tighten straps to pull the mask firmly to your face



2) Perform Positive Pressure Seal Test:

- Cover the exhalation valve and exhale gently. Mask should bulge slightly with no air leaks between your face and mask.
- If air leakage is detected, reposition mask and/or readjust straps to eliminate leakage.
- If you cannot achieve a proper seal DO NOT use respirator.



or



3) Perform Negative Pressure Seal Test:

- Cover both filter cartridges and inhale gently. Mask should pull into your face with no air leaks between your face and mask.
- If air leakage is detected, reposition mask and/or readjust straps to eliminate leakage.
- If you cannot achieve a proper seal DO NOT use respirator.



BOZEMAN HEALTH

COVID-19 RESPONSE POLICY/PROTOCOL

INSERT FILE PATH OF LOCATION OF APPROVED PROTOCOL/POLICY