CNI COVID-19 Mitigation SOP

June 16, 2020
Overview

- Pictorial review of CNI COVID-19 mitigation standard operating procedures
- SOP is presented as for an external subject scan
  - NOTE: External human subjects are NOT allowed under current guidelines (June 16, 2020)
  - Only same research-group subjects may be scanned
  - Limit of two research group members on campus means:
    - Max of 2 scan operators and a phantom
    - One scan operator, one scan subject
Researcher Arrival at CNI

- 30 minutes in advance of scan time
- Wear fresh masks (do not need MRI-Safe Masks)
- Sanitize hands
- Maintain social distancing
Researcher Arrival at CNI

- Sanitize thermometer
- Confirm lack of fever
- Put on gloves in preparation of cleaning MRI suite
Disinfect MRI Scan Room

- Start with MRI bore
  - Use dry swiffer pads, well soaked with Sani-spray
  - Ensure bore fan is off, move coil out of way
  - Wipe down bore from entry to internal air vent
  - Turn on fan after 3 minutes to air out bore
Disinfect MRI Scan Room

- Reconnect coil and wipe down
- Put on fresh linens
Disinfect MRI Scan Room

- Wipe down magnet control buttons, squeeze ball and any physiological sensors you will be using
Disinfect MRI Scan Room

- Wipe down positioner pads and any response button boxes you will be using
- Use sani-covers on any positioners
Disinfect MRI Control Room

- Wipe down keyboard, mouse, chair arms, surrounding surfaces around host console
Disinfect MRI Control Room

- Wipe down other commonly touched surfaces
  - Door handles, faucets
  - Area where MRI screening or consent will be taken
  - Any other CNI equipment you will be using (laptop, Linux workstation)
Exterior Screening

- When external human subjects are permitted, screen before entry
  - Measure temperature
  - Complete COVID-19 Mitigation, Screening and Assumption of Risk form (not required for same research-group member)
Escort to CNI

- Use rear elevator (2-person occupancy)
- Observe social distancing as marked out in Jordan Hall and elevator
- Only a single researcher should meet subject, other (if present) should remain in scan room
Prepare Human Subject

- Provide hand sanitizer
- Provide MRI-safe mask (metal ribbon removed)
- No gloves needed for human subject
- Researchers & subject limited to waiting area, testing room, mock scanner room and MRI suite
Prepare Human Subject

- Escort subject to changing room off MRI control room
- Complete MRI screening and consent
- Instruct subject to change into scrubs and leave personal clothing in disposable paper bag
Prepare Human Subject

- Once subject is prepared in scrubs pass on to researcher in scan room
- IMPORTANT: Scan room researcher should be wearing face shield
- Face shields will be provided by CNI but should be kept for re-use
Prepare Human Subject

- Only a single researcher with face shield in scan room
- Recruit human subject to aid with putting on accessories as much as possible
- Human subject must continue to wear mask during scan
- IMPORTANT: Make sure MRI-safe mask is used for subject – non-modified mask will introduce significant artifacts
Conduct MRI Scan

- Maintain social distancing
- Peripheral connection cables can be easily passed through Lexan sneeze-shield
Exit Human Subject

- Scan room researcher replaces face shield
- Exit subject from MRI scanner and pass off to control room researcher
Exit Human Subject

- Have subject change back into personal clothing
- Remind subject to wash hands
- Escort out of Jordan Hall
Repeat Disinfection Protocol

- Repeat disinfection steps as on arrival
- Be as thorough as possible – imagine it is someone from your family who will be next to be scanned
- Try to complete protocol within 15 minutes if there is an immediately following group arriving to scan
Thank you for helping scanning be safe at CNI!