

World-class research MRI

Q&A for Holland Bloorview clients and families

Q&A

Clients/families

Q1. What is a MRI?

- MRI stands for magnetic resonance imaging. It uses powerful magnets, radio waves, and a computer to make detailed images within the body, including the brain.
- Structural magnetic resonance imaging (MRI) examines the anatomy of the brain: How the brain is built.
- Functional magnetic resonance imaging (fMRI) examines brain activity: How the brain works.

Q2. Why do we need a world-class research MRI?

- The majority of children seen at Holland Bloorview have a condition that affects the brain. A MRI is the gold standard for understanding the brain.
- Clinically-focused MRI research is critical to understanding the mechanisms of injury and recovery, and in developing and guiding treatments for improved client outcomes.
- The new research MRI will allow us to conduct large, long-term studies to lead impactful and actionable research for the most meaningful and healthy futures for all children, youth, and families.

Q3. What makes Holland Bloorview's research MRI world-class?

- Clinical and research MRI facilities typically look institutional and uninviting to children, youth, and families. Our vision is to create a fully accessible, client- and family-friendly research MRI suite that is customized to the unique needs and preferences of every client and family undergoing a scan.
- The new research MRI suite will incorporate the latest evidence-based design principles and state-of-the-art technology to create an immersive environment that is adjustable to a client's likes and preferences.
- In addition, the suite will embody a décor philosophy that applies to the entire suite, including assessment rooms and client and family waiting areas. The design philosophy will be carried

through to the MRI scan room and feature child-selectable lighting, images, and projections to create a truly unique experience for each child and youth undergoing a MRI scan.

- Upon completion, Holland Bloorview will be home to a world-class, fully accessible, child-friendly research MRI facility and conduct leading research of the brain in children and youth with disability.

Q4. Will the new research MRI be used for clinical purposes?

- No. Holland Bloorview's new research MRI suite will be used for research purposes only.

Q5. Where will the research MRI suite be located?

- The new MRI suite will be located in the East wing of the basement (level 0) of Holland Bloorview.

Q6. When will the construction take place?

- Construction will begin May 2019.
- Full operation of the research MRI suite is expected December 2019.

Q7. What hours will the construction take place?

- The majority of construction work will take place during regular working hours (9:00 a.m. to 5:00 p.m.; Monday through Friday).
- In exceptional circumstances, construction may take place on weekends.

Q8. My child and I are frequent visitors of the Holland Bloorview pool and/or the therapy/snoezelen pool. How will the construction and the new research MRI suite impact this? Will access to any of the pools be affected?

- During the construction phase the Holland Bloorview and therapy/snoezelen pools will operate as usual.
- Clients and families requiring access the pool area should exit the elevators on the east side of the building (press 0 in the elevator).

Q9. Will construction of the new research MRI impact the care and services that my child receives?

- We will do our best to minimize and control disruption where possible and provide timely, ongoing updates on our website at www.hollandbloorview.ca and e-screens throughout the hospital.
- During construction clients and families may experience some noise and disruption.
- In July 2019, a large piece of equipment, called a chiller, will be placed on the third floor terrace on the east side of the building. Inpatient clients and families with rooms on the third floor of Holland Bloorview facing the terrace may experience some additional noise and disruption during the installation. We will work closely with your care team to ensure minimal disruption during this time.

Q10. Will there be more opportunities to participate in research studies as result of the new research MRI suite?

- Yes. More research study opportunities are expected upon completion of installation and live operation of the research MRI in December 2019. New research studies will be available on our website at research.hollandbloorview.ca/brihome.

Q11. Who do I contact if I have concerns?

- For more information or questions, please contact BRRequests@hollandbloorview.ca. You can also visit our website at <http://research.hollandbloorview.ca/growbri> for the most up-to-date information on construction progress.