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<b>Project title</b>	Advanced MRI sequences of the liver and kidney		
<b>Study level(s)</b>	<input type="checkbox"/> MSc	<input checked="" type="checkbox"/> PhD	<input type="checkbox"/> Postdoctorate
<b>Principal investigator(s)</b>	Ramy El Jalbout		
<b>Project duration</b>	4 years		
<b>Start date</b>	November 22, 2021		

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Date of posting: 2021-08-25

### Research laboratory presentation

The advanced imaging by MRI and ultrasound lab focuses on liver steatosis evaluation, renal volume, function and perfusion evaluation and early vascular changes related to the risk factors for atherosclerosis in children.

### Research project description

The project uses multiparametric MRI sequences for the evaluation of kidney function in young adults and liver fat deposition in adolescents and young adults using Matlab and JMRUI.

### Required training and profile

Master's degree or equivalent in health sciences. Knowledge in Matlab or willing to learn on independent basis. Minimal knowledge in biostatistics and clinical research.

### Conditions

None

### Submit your application

Candidates must send the required documents before 10/2021 to Ramy El Jalbout at [ramy.el-jalbout.med@sss.gouv.qc.ca](mailto:ramy.el-jalbout.med@sss.gouv.qc.ca).

### Please provide:

- ✓ *Curriculum vitae*
- ✓ Most recent transcripts
- ✓ Cover letter
- ✓ References

C/o Ramy El Jalbout  
Department of Radiology  
CHU Sainte-Justine  
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### Equity, diversity and inclusion

The masculine gender is used without discrimination and for the sole purpose to facilitate reading. The CHU Sainte-Justine subscribes to the principle of equal access to opportunities and invites women, members of visible and ethnic minorities, persons with disabilities and Indigenous people to apply. We would appreciate it if you could inform us of any disabilities that would require technical and physical accommodation adapted to your situation during the selection process. Please be assured that we will treat this information as confidential.

### Studies at the CHU Sainte-Justine Research Center

Pursue your [graduate or postdoctoral studies](#) at the **CHU Sainte-Justine Research Center**, and be one of the 500 students, fellows and interns involved in accelerating the development of knowledge in the field of maternal, child and adolescent health, whether in basic or clinical research. Under the supervision of prominent scientists, especially in leukemia, rare pediatric diseases, genetics, perinatology, obesity, neuropsychology and cognition, scoliosis and rehabilitation, you will have the opportunity to work with multidisciplinary scientific teams and collaborators from all over the world.

### About the CHU Sainte-Justine Research Center

**CHU Sainte-Justine Research Center** is a leading mother-child research institution affiliated with Université de Montréal. It brings together more than 200 research investigators, including over 90 clinician-scientists, as well as 500 graduate and postgraduate students focused on finding innovative prevention means, faster and less invasive treatments, as well as personalized approaches to medicine. The Center is part of CHU Sainte-Justine, which is the largest mother-child center in Canada and the second most important pediatric center in North America. More on [research.chusj.org](http://research.chusj.org)

