

The Pilot

- 6 month trial
- 1,200 scans completed
- Stakeholder Feedback: identified delay causes, shared success strategies and process improvements
- Auditing: Monitored exam time & risk related to new protocols, ensured quality

Setup

- **Team**: Radiologists, technologists, booking staff, administrators
- Population: Patients requiring less complex MRI scans

The Goal

- 1. Create rapid MRI exam protocols for new patient populations
- 2. Expand model to other MRI departments

Results

 Capacity increase: opened up a potential 766 MRI hours, for an extra 2,322 rapid patients per year
 Quality remained comparable

- Increased workload was manageable through streamlined processes
- Program under development to expand the MRI Rapid Diagnostic model to other MRI Centres







2013	- Evalu - Analyzed p	ation pilot measu	The Joint Department of MEDICAL IMAGING					
	Body Area	Rapid (mins)	Routine (mins)	Time Savings	Annual Demand	Additional Patients		
	Knee	18.98	32.98	42%	1620	1195		
	Shoulder	20.43	32.92	38%	657	402		
	Brain	19.97	33.42	40%	835	562		
	IAC	22.28	32.22	31%	362	145		
	Post UFE	24.97	26.30	5%	110	6		
	Fistula	40.77	44.08	8%	59	5		
	Pancreas	31.17	46.22	33%	16	8		
	Measured and confirmed quality Image quality remained high: 1 of over 1,200 patients required a repeat MRI due to sub-par images. A physician-led quality assurance review of over 200 cases did not identify a single case where a peer review of the diagnosis differed from the original diagnosis. The success in diagnostic quality can be attributed to requisite diagnostic image quality produced by the new protocols.							



	Transition	The Joint Depentment of							
oing	Adopted		Not adopted	MEDICAL IMAGING					
Dng	Rapid Knee	Rapid IAC	Rapid Fistula	Mourt Sine Hospital • University Health Network • Women's Coffeer Hospital					
	Rapid Brain	Rapid Post-UFE							
	Rapid shoulder	Rapid Pancreas							
Next Steps The recommendations included implementing the MRI Rapid Diagnostic model at other MRI centres in Ontario. This could be supported by the development of a toolkit for implementing the model; and to address change management challenges, a provincial program engagement can be designed to assist and facilitate rapid protocol implementation across Ontario's hospitals. The MRI Rapid Diagnostic Pilot was sponsored by the Toronto Central LHIN (Local Health Integration Network) Project Sponsors: Catherine Wang, Dr. Walter Kucharczyk Project Management: Gabriela Penaloza, Jeffrey Zon, and Bradley Lang									
	Cloutier, Kathy Hilario, Nicole Bennett, Lilace Hudson, Marino Fernandopulle, Maria Masinsin, Ian Findlay, Nancy Talbot, Karen Bodolai, Brian Ho, Rosa Roti, Raquel Gaspar, Randi Bokor. This pilot was completed with the support of the Joint Department of Medical Imaging's (JDMI) Office of Strategy Management (OSM). The OSM is a project management team within the JDMI, a multi-site, multi-organization department spanning University Health Network, Mount Sinai Hospital and Women's College Hospital. Our team aims to deliver on strategic changes								
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