

University of Toronto Sînai Health System University Health Network Women's Cullege Hospital

# Radiologist Peer Review Program Implementation

Improving Quality, Enabling Collaboration and Innovating Continuously

Radiological Society of North America
Annual Meeting 2017

1

## **Contents**

- Background: The Joint Department of Medical Imaging (JDMI)
- Peer Review: Definition & Principles
- JDMI's Approach to Peer Review: Key Steps
- Coral Review Implementations and Successes
- Future Initiatives Related to Peer Review



University of Toronto Sinai Health System University Health Natwork Women's College Hospital

2

## The Joint Department of Medical Imaging (JDMI)

- Largest MI program in Canada
- 700+ staff 85+ sub-specialized radiologists
- 695,000+ exams annually
- 110 trainees annually













General Hospital







Sinai Health System



Multi-site, Multi-organization department spanning six teaching hospitals

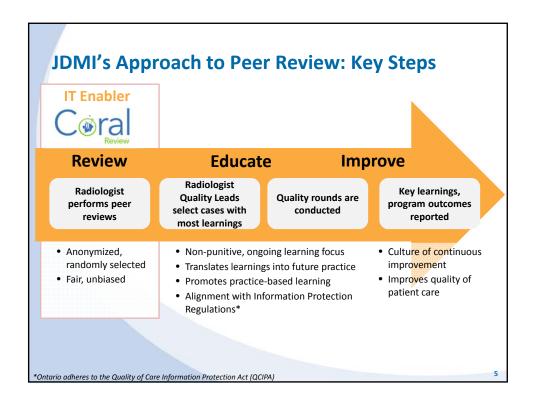
3

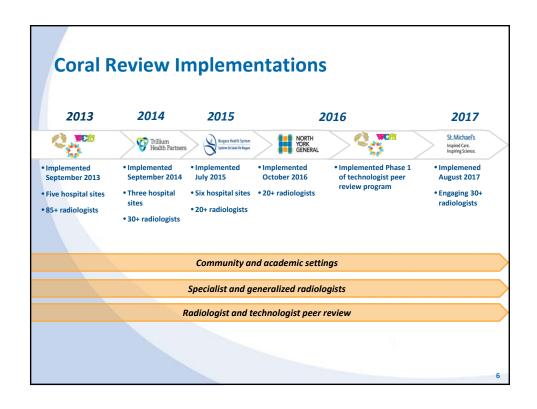
# **Peer Review: Definition & Principles**

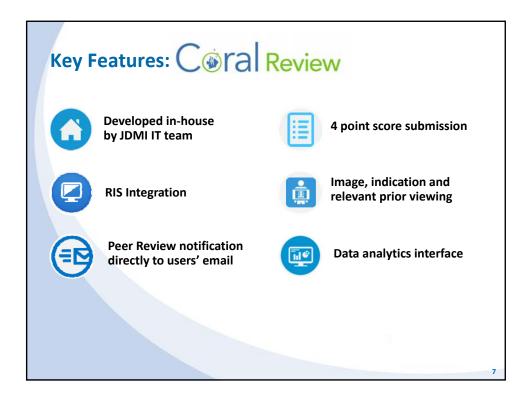
- Radiologist peer review is an important quality assurance tool involving the assessment of diagnostic accuracy between peers through educational mechanisms
- Through the promotion of peer education and learning in medical imaging practice, radiologists are able to identify opportunities for additional education and self-improvement
- Program Principles
  - Non-punitive, ongoing learning focus
  - Second radiologist reviews original clinical interpretation of case
  - Random selection of studies for review on a regular scheduled basis
  - Retrospective, within days of original report verification
  - Exams and procedures representative of the actual clinical practice of each radiologist
- Anonymous review allowing for unbiased review from the perspective of both diagnosis and relationship with the reporter.
- Classification of peer review findings (4-point scoring scale)\*
- Defined policies and procedures for action taken in the event of a significantly discrepant finding
- Clearly defined data security practices

\*Based on the American College of Radiology (ACR) and Canadian Association of Radiologists (CAR) guidelines and recommendations for Peer Review in Radiology

4









## **Future Initiatives Related to Peer Review**



**Expansion of the Radiologist Peer Review program across Ontario** 



Development of Image Quality Criteria for the Purpose of Technologist Peer Review

 Collaboration with 5 Ontario Hospital sites across 6 modalities: General Radiography, CT, MRI, Ultrasound, Nuclear Medicine and Mammography



Implementation of Technologist Peer Review program across modalities

9

## **Authors**

#### **Catherine Wang** (Presenter)

Vice President, Clinical Operations and Diagnostic Partnerships, University Health Network, Sinai Health Systems, Women's College Hospital

### **Leon Goonaratne**

Senior Director, IT Informatics, JDMI

#### Dr. Lawrence M. White

Radiologist in Chief, JDMI

#### Jennifer Catton

Manager, Quality and Strategy, JDMI

#### Jisla Mathews

Project Manager, JDMI

#### **Tiffany Leslie**

Business Analyst, JDMI

#### **Contact Information**

**Catherine Wang** 

E-Mail: Catherine.Wang@uhn.ca



University of Toronto Sinai Health System University Health Networ Women's College Hospitz

10