



An AI enabled workforce

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The Royal Australian
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College of Radiologists®

ABOUT RANZCR

- RANZCR responsible for training and education for radiologists in Australia and New Zealand, and advancing **patient care** and **quality standards** in the clinical radiology and radiation oncology sectors
- RANZCR represents **>4,000 members** in Australia, New Zealand and internationally



“We Should stop training
radiologists right now”
Geoff Hinton 2016





Andrew Ng

Follow @AndrewYNg

Should radiologists be worried about their jobs? Breaking news: We can now diagnose pneumonia from chest X-rays better than radiologists.

[https://stanfordmlgroup.github.io/projects/chexnet/ ...](https://stanfordmlgroup.github.io/projects/chexnet/)

3:20 PM - 15 Nov 2017 from Mountain View, CA



What exactly do radiologists do?

1. Reporting on imaging studies
2. Procedures
3. Triaging, protocolling, supervising
4. Communicating with patients, referrers
5. “Team work”
6. A source of advice for clinicians
7. Audit, CME, MDTs



How could AI change radiology?

1. **Reporting on imaging studies**
2. Procedures
3. **Triaging, protocolling, supervising**
4. Communicating with patients, referrers
5. “Team work”
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'Reporting imaging studies'

How could AI change this

1. Image analysis

1. Abnormality detection
2. Segmentation

2. Process Efficiencies

1. Personal productivity gains
2. System productivity gains



How are we preparing our trainees and Fellows to work in this new AI environment (reporting studies)?

1. Training program curriculum and exams

1. How much do you need to know?

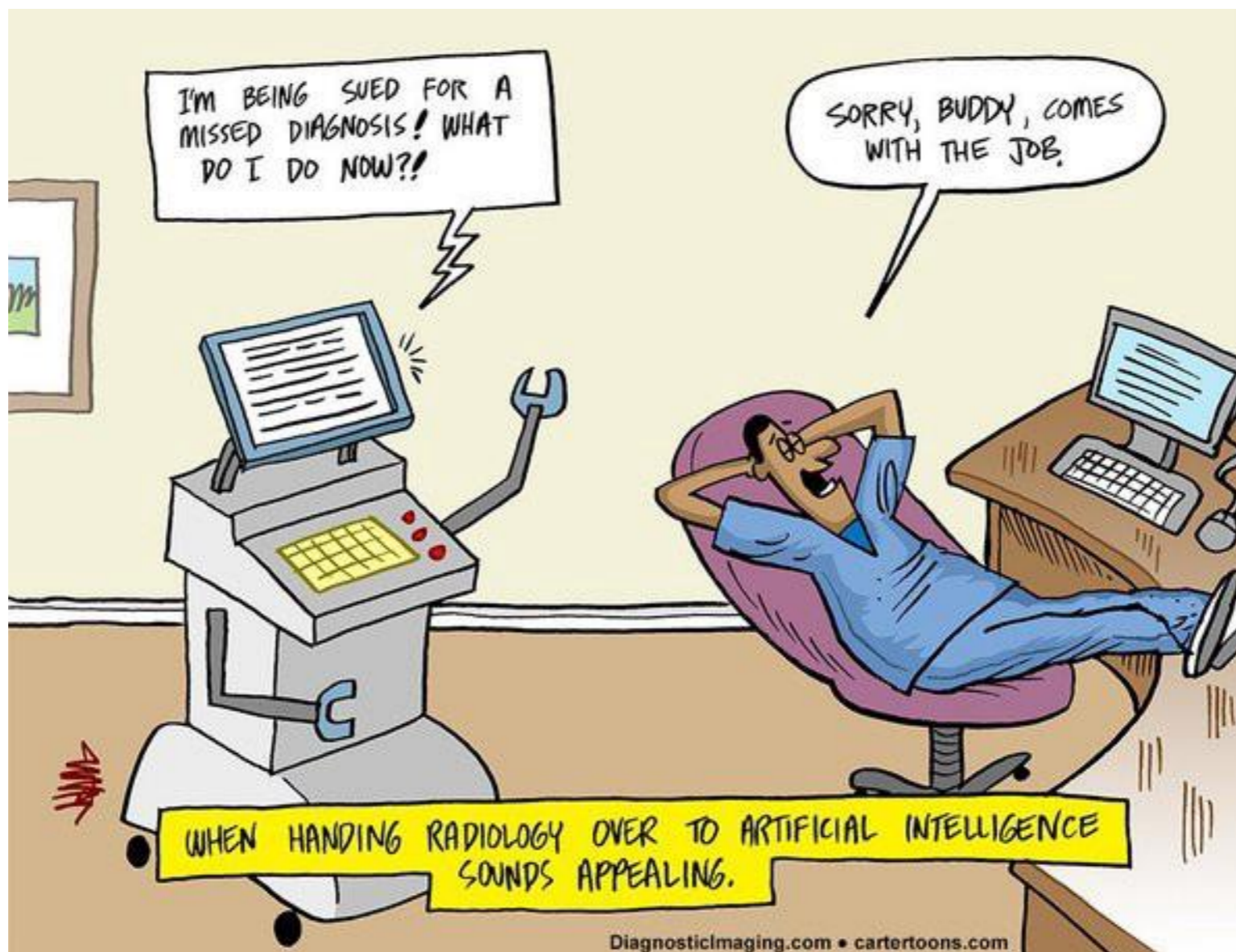
2. Scientific articles, meetings, CME

1. JMIRO
2. ASM Faculty Forum
3. AI Health Summit 2018

3. Standards, Policies, Regulation

1. Board standing item
2. AIWG
3. Advocacy





ART OF IMAGING



<http://www.xrayartistry.com>

