

NORDICFORUM www.nordictraumarad.com TRAUMA & EMERGENCY RADIOLOGY



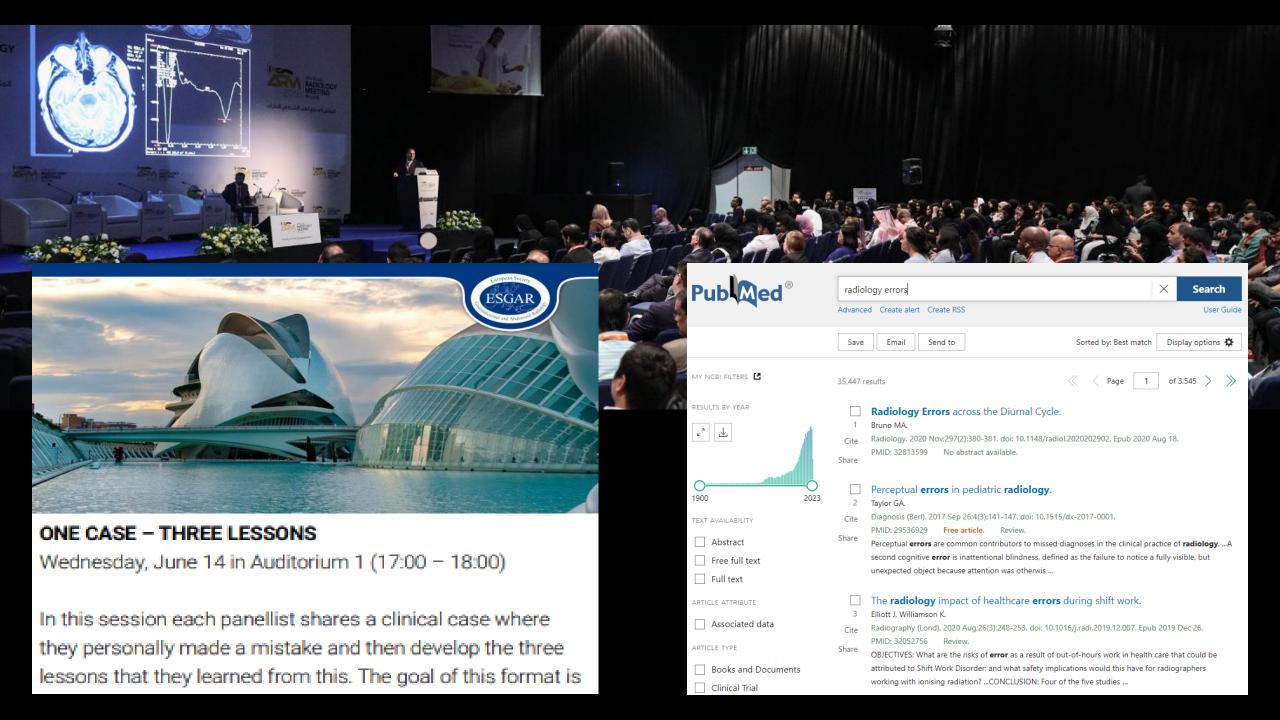
TRAUMA RADIOLOGY 2024

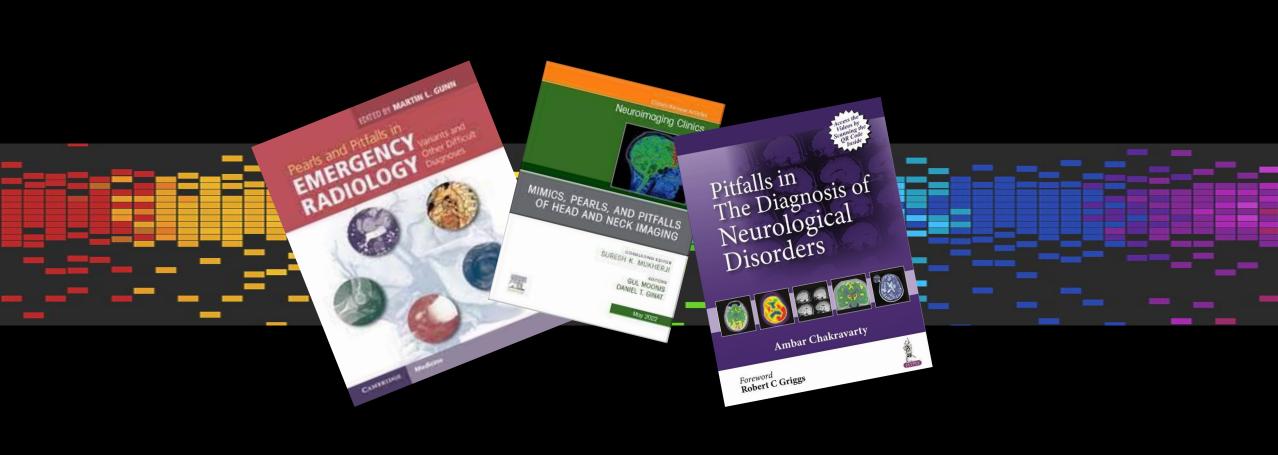
Patterns of Error in Trauma Radiology



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Missing

Not identifying the finding (perceptual error)



False negative

Misinterpreting

Identifying the finding, but assigning the wrong value to it



False negative or false positive

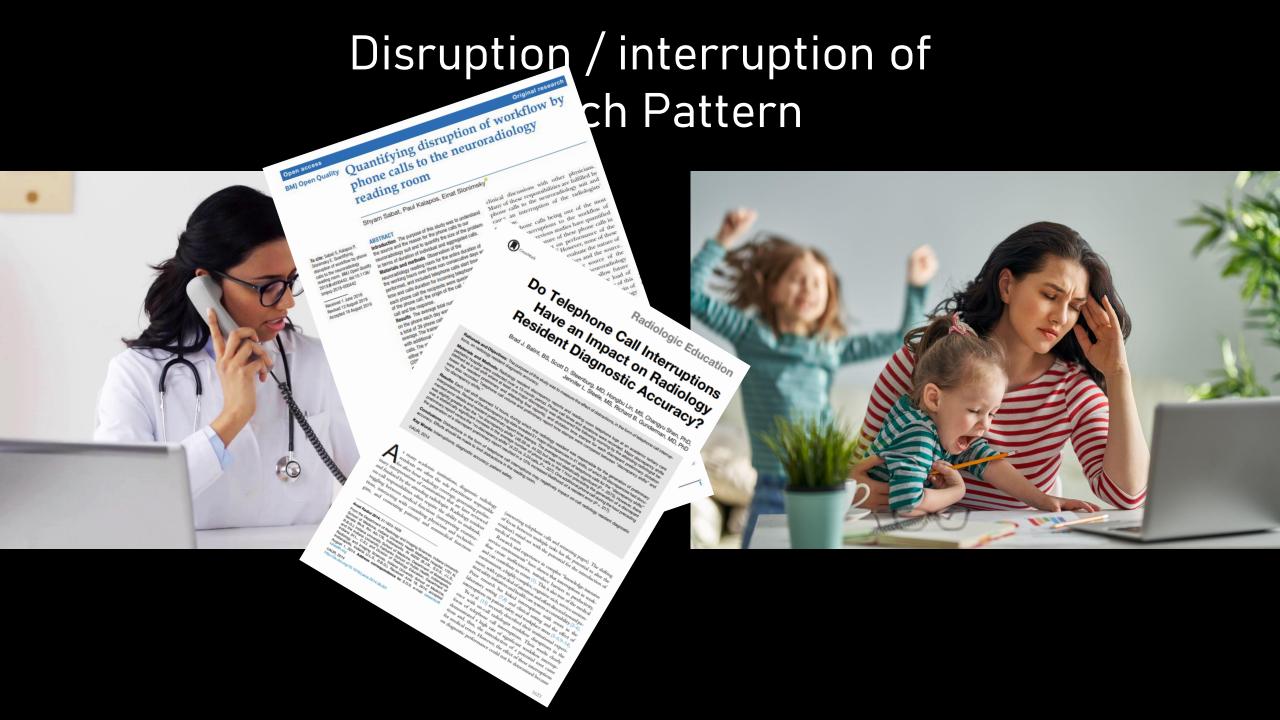
External factors

Internal patterns

Disruption

Interruption

Cognitive Biases



Incomplete search pattern



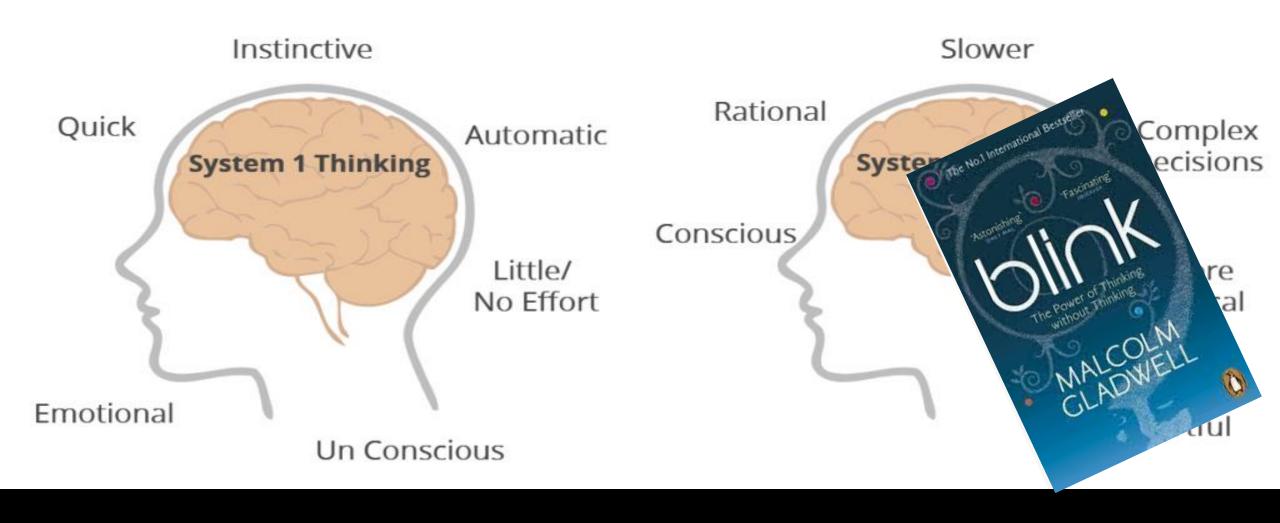
Costocondral Fractures

Disruption of Search Pattern



Satisfaction of Search

DANIEL KAHNEMAN'S SYSTEMS OF THINKING



Heuristics:

A mental shortcut that allows rapid problem-solving based on assumptions and past experiences

Metacognition:

Awareness and understanding of one's own thought process

Heuristics

Metacognition

Confidence

Awareness of own strengths and weaknesses

More prone to cognitive bias

Less prone to cognitive bias

Cognitive Bias

Availability Bias **Regret Bias**

Anchoring Bias

Framing Bias

Attribution Bias

Confirmation Bias

Alliterative Bias

Availability Bias

The assessment is influenced by easily-recalled experiences









Morrel-Lavallé Lesion



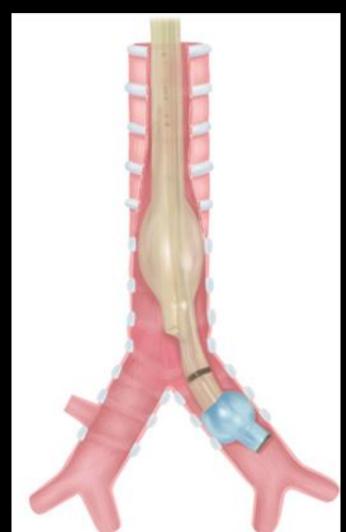
Mimic



Anchoring Bias

An initial impression influences the following evaluation

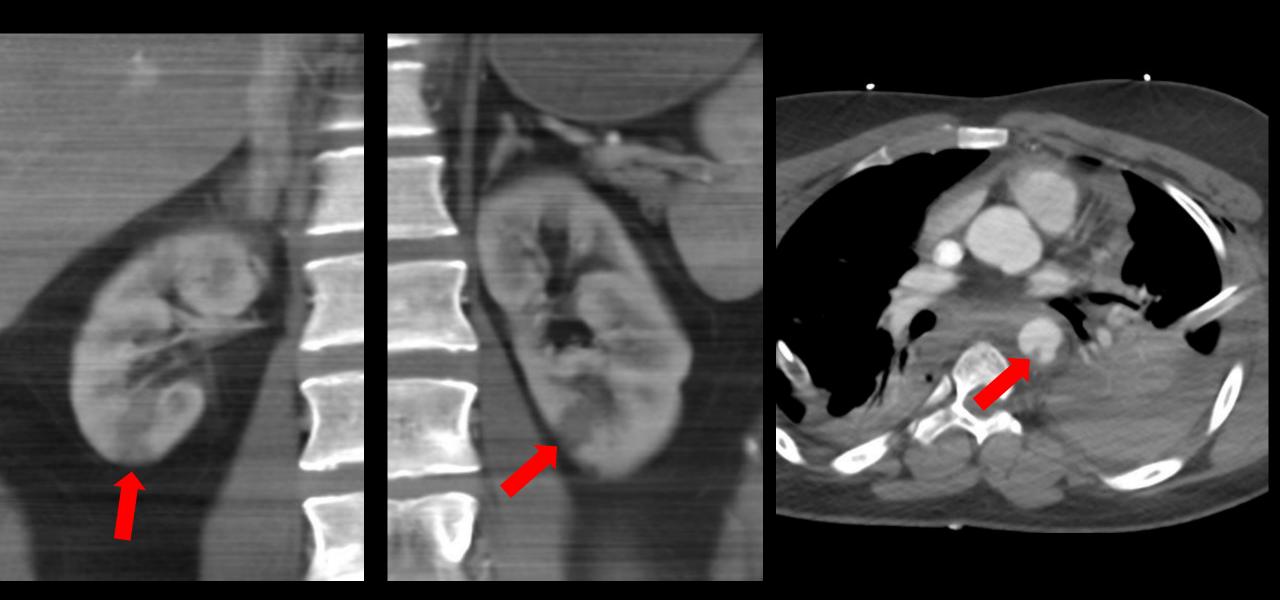




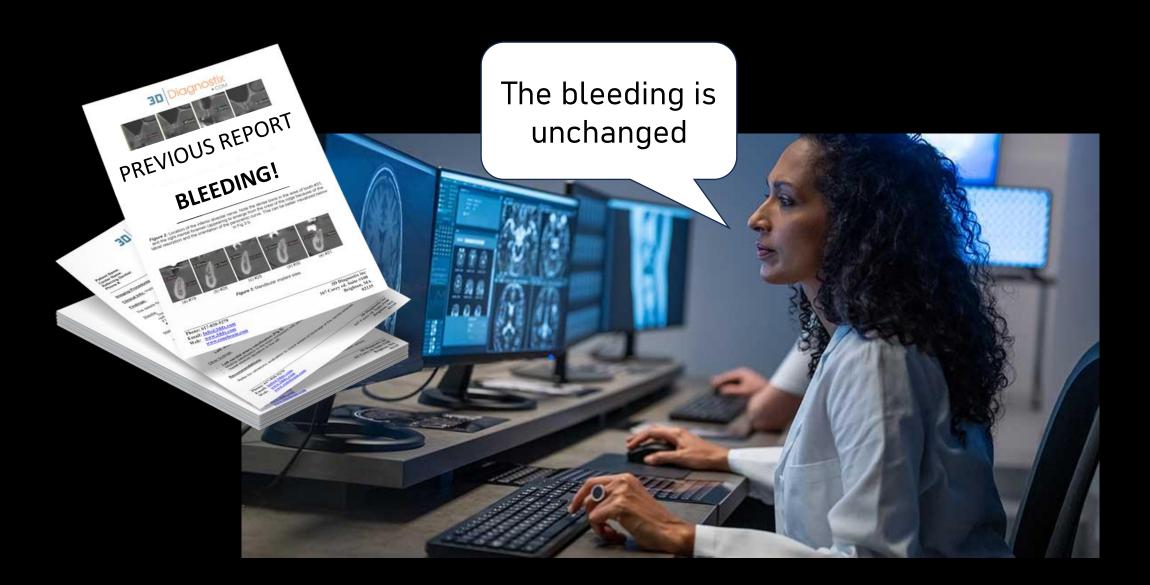


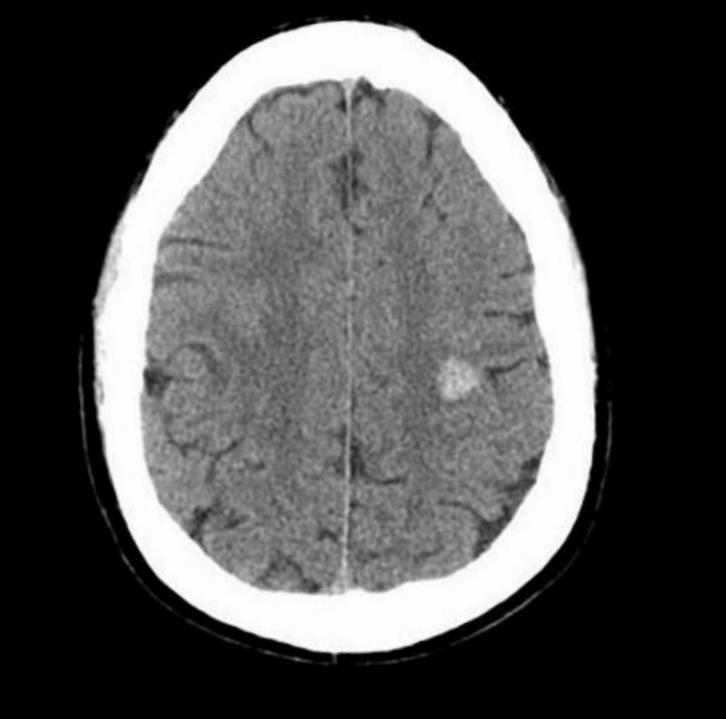
Confirmation Bias

Registering only the information which confirms the initial impression



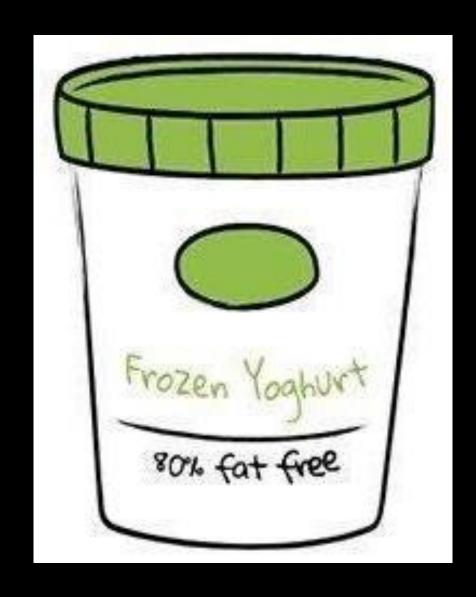
Alliterative Bias One radiologist's judgement influences another radiologist





Framing Bias

The judgment is influenced by how the query is posed







Attribution Bias

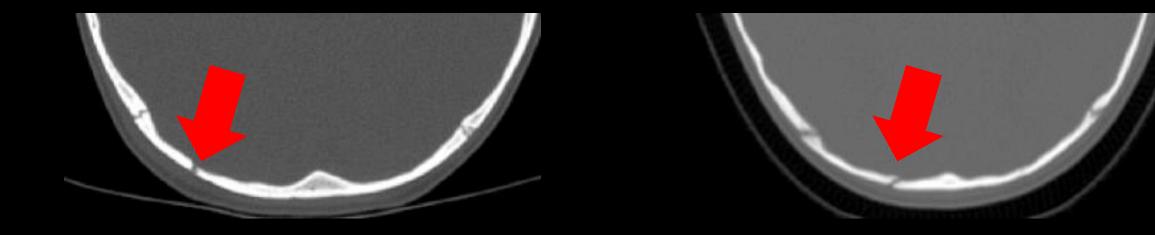
Characteristics are attributed to a case because of the category the patient belongs to





Regret Bias

Overestimating the likelihood of a diagnosis fearing the risk of missing it



Miscommunicating

Verbal report:

Because your written word may not be enough!



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Home > Recommendations on alerts and notification of imaging reports

Recommendations on alerts and notification of imaging reports

Monday 3 October 2022

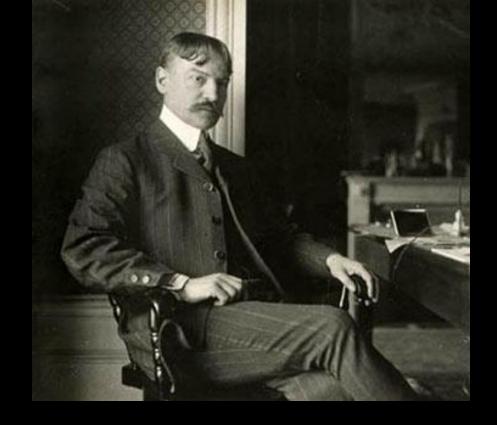
We are pleased to announce the launch of the Recommendations on alerts and notification of imaging reports guidance, which has been published by the Academy of Medical Royal Colleges.

Download the guidance

This guidance was produced through a collaborative effort led by The Royal College of Radiologists (RCR) Patient Safety Adviser Dr Teik Choon See – together Alerts and notification of imaging reports
Recommendations

Miscommunicating

How to handle uncertainties



"May your answers be just "yes" or "no", and do not try to explain the "yes" and the "no", because every explanation is a capitulation"

Julien Benda

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