




Pattern recognition, diagnostic reasoning and cognitive bias

 <p>Diagnostic errors can be due to cognitive bias; not knowledge gaps</p>	 <p>External checking for error prevention is more effective</p>	 <p>Error recovery: Cognitive autopsy process for adaptive recovery</p>
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Further multimedia resources from Vince McGovern Lecture at IAP 2024. Compiled by Amanda Charlton June 2024

Books

Cooper, Nicola, and John Frain. *ABC of Clinical Reasoning*. Newark, UNITED KINGDOM: John Wiley & Sons, Incorporated, 2016. <https://www.wiley.com/en-us/ABC+of+Clinical+Reasoning-p-9781119059127>

Croskerry, Pat. *The Cognitive Autopsy: A Root Cause Analysis of Medical Decision Making* | Oxford Academic. Oxford University Press, 2020. <https://academic.oup.com/book/29500>.

Preview on google books here

https://www.google.com.au/books/edition/The_Cognitive_Autopsy/_unkDwAAQBAJ?hl=en&gbpv=1&printsec=frontcover

Podcast

The Medical Take. S2 E05 Cognitive Biases in Medicine. Nicola Cooper.

<https://open.spotify.com/episode/4ellwtUMA4Jelix3Brh1VF?si=unc76NUJQI21ghbFxFxWgIUQ>

NEJM interview: Dr Pat Croskerry on widespread cognitive biases and ways of counteracting them for accurate diagnosis. 26 June 2013

<https://open.spotify.com/episode/7IAQIjGhoTupUraYpNjecQ?si=d2fmb3d4REixE7JLU9xofw>

Coda Change. Cognitive Debiasing: Thinking Straight by Pat Croskerry. 11 Dec 2015.

<https://open.spotify.com/episode/6de2dVylQJnfHsMdSTX9YP?si=EaHL2Cv8TNSIxN-SgiA4cA>

Journal article

Relevant articles cited on each slide of the powerpoint presentation. 3 key articles here.

Croskerry, Pat, and Sam G. Campbell. 'A Cognitive Autopsy Approach Towards Explaining Diagnostic Failure.' *Cureus* 13, no. 8 (2021): e17041. <https://doi.org/10.7759/cureus.17041>.

Ko, Christine J., and Earl J. Glusac. 'Cognitive Bias in Pathology, as Exemplified in Dermatopathology'. *Human Pathology*, Dermatopathology, 140 (1 October 2023): 267–75. <https://doi.org/10.1016/j.humpath.2023.03.003>.

Monteiro, Sandra, Geoff Norman, and Jonathan Sherbino. 'The 3 Faces of Clinical Reasoning: Epistemological Explorations of Disparate Error Reduction Strategies'. *Journal of Evaluation in Clinical Practice* 24, no. 3 (2018): 666–73. <https://doi.org/10.1111/jep.12907>.

Website

Clinical Excellence Commission NSW. Health NSW Government, n.d. 'Cognitive-Autopsy-Guideline-Information-
https://www.cec.health.nsw.gov.au/_data/assets/pdf_file/0003/306570/Cognitive-Autopsy-Guideline-Information-sheet.pdf.

Society to Improve Diagnosis in Medicine. Accessed 13 May 2024.
<https://www.improvediagnosis.org/>.

Growns, Bethany. Are you a supermatcher? Take the quiz <https://www.bethanygrowns.com/are-you-a-super-matcher>

Video

Heather Hibberd. Mistakes and what to do when you make one. June 2023 Masterclass. Australasian Division of the IAP <https://iap-aus.org.au/members/iap-forums-and-seminars/> IAP membership required for access.

Diagnostic Errors. Osmosis from Elsevier. <https://youtu.be/nBlAfdCE-2s?si=kMi1jy7rEuOhJsX0>

Navarro, Victor. Pigeons (*Columba livia*) as trainable observers of pathology and radiology breast cancer images. https://youtu.be/flzGjnJLyS0?si=WEqdZ4_kMAtdalyU

Slide deck

Richard Cohen. Diagnostic errors in anatomic pathology. <https://arup.utah.edu/media/cohen-diagnosticErrors-2017/lecture-slides.pdf>

Daniel, Michelle, Michele Carney, Sorabh Khandelwal, Chris Merritt, Michael Cole, Matthew Malone, Robin R. Hemphill, et al. 'Cognitive Debiasing Strategies: A Faculty Development Workshop for Clinical Teachers in Emergency Medicine'. *MedEdPORTAL : The Journal of Teaching and Learning Resources* 2017. https://doi.org/10.15766/mep_2374-8265.10646. Slide deck is in the online Supplementary Materials/ Appendices.