











#### Virtual Grand Rounds

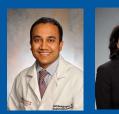
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# **ACG Virtual Grand Rounds**

#### Join us for upcoming Virtual Grand Rounds!



<u>Week 33 – Thursday, August 17, 2023</u> ACG Clinical Guideline: Diagnosis and Management of Gastrointestinal Subepithelial Lesions Faculty: Brian C. Jacobson, MD, MPH, FACG Moderator: Katrina B. Greer, MD, MS Epi At Noon and 8pm Eastern





Visit gi.org/ACGVGR to Register



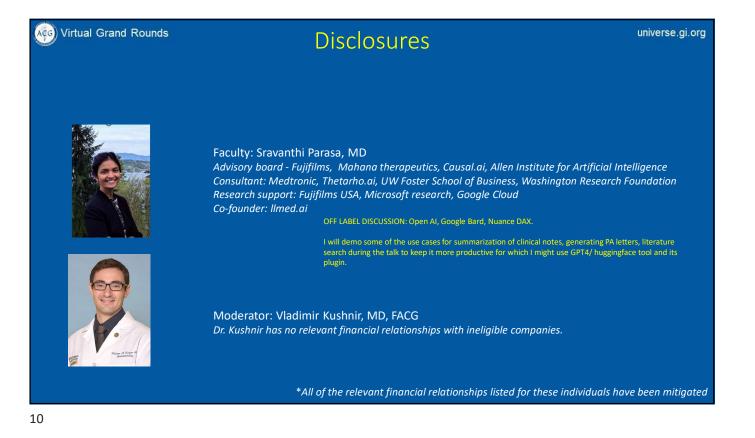
# ACG Standard Slide Decks

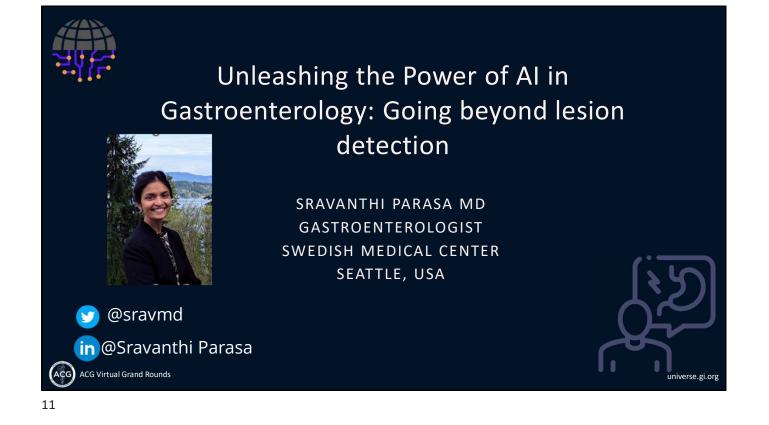
Colorectal Cancer Screening and Surveillance Slide Deck Ulcerative Colitis Slide Deck

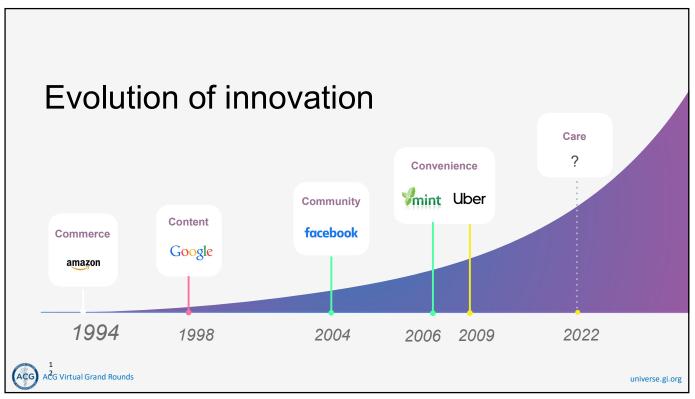
ACG has created presentation-ready, semi-customizable MS PowerPoint clinical slide decks for your unique teaching and learning needs.

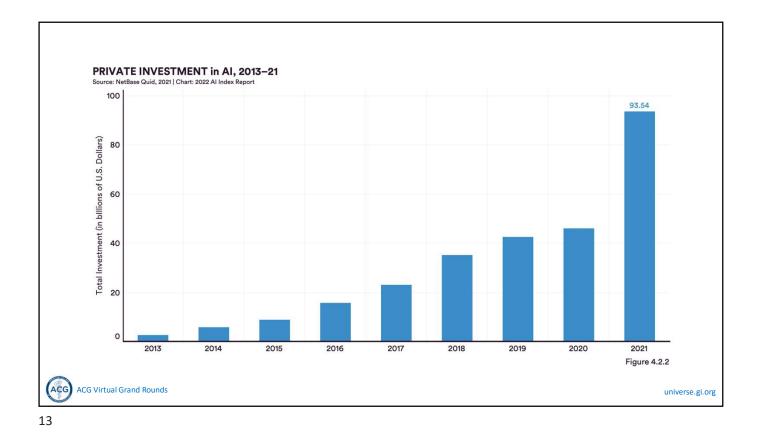
Visit <u>gi.org/ACGSlideDecks</u> to learn more and request access to the standard slide decks!

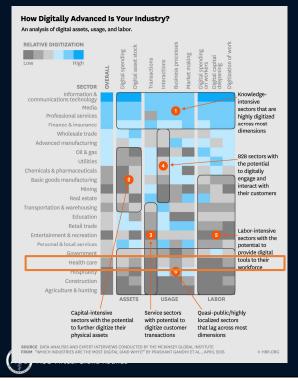








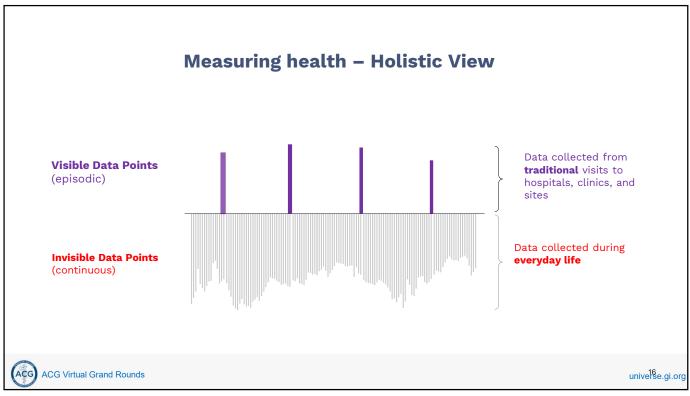






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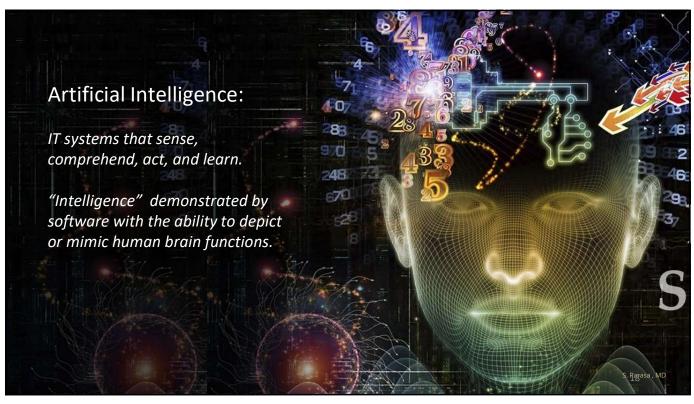






### A BRIEF OUTLINE

Creation of Technology: AI Revolution The State of Tech AI in GI : Use cases, Research Q & A



### **First Industrial Revolution**

Automation of repetitive physical work



#### Intelligence Revolution:

Similar "effect" on the provision of health services today

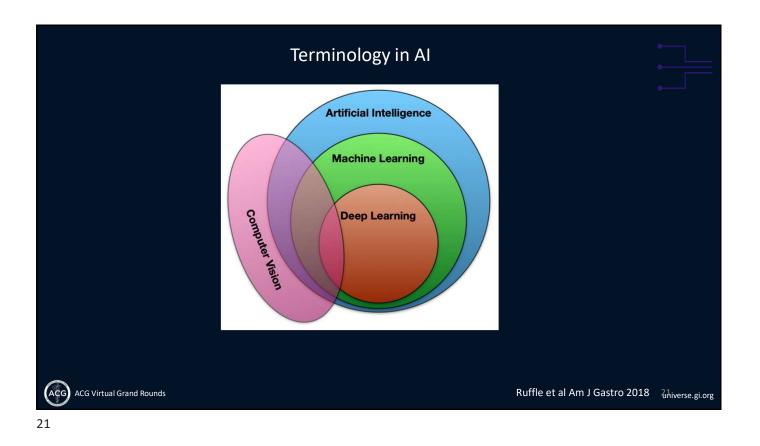


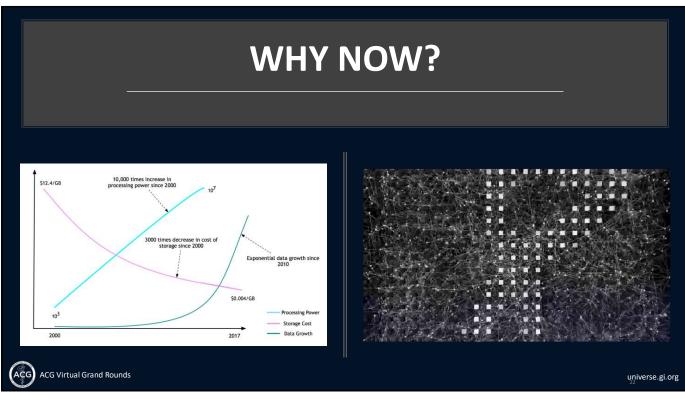
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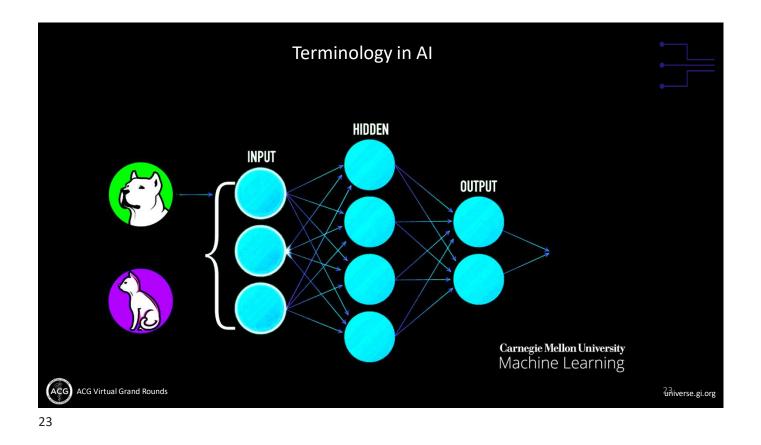
## AI is evolving at Warp Speed...(Which is to say Fast!)

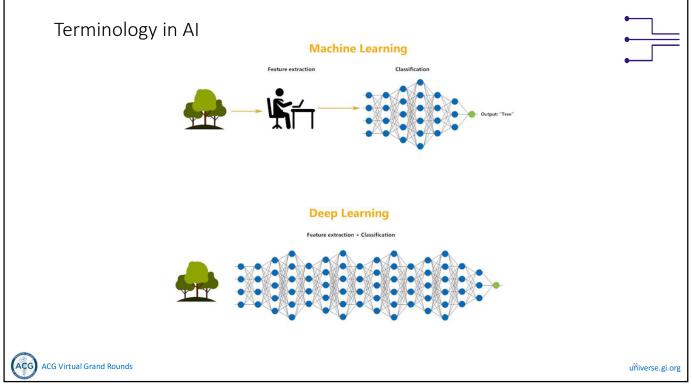
Advancements in AI are different than other technologies because of the *pace & scale of innovation*, and its *proximity to human intelligence* – impacting us at a personal and societal level.



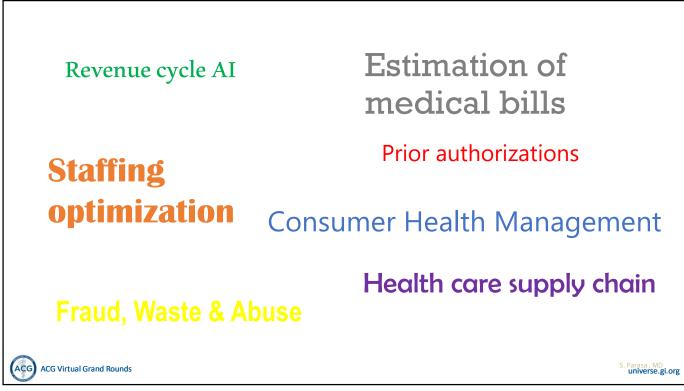


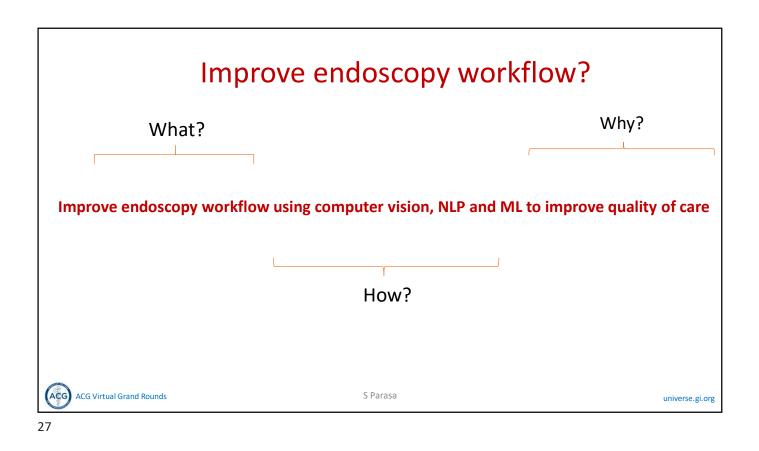


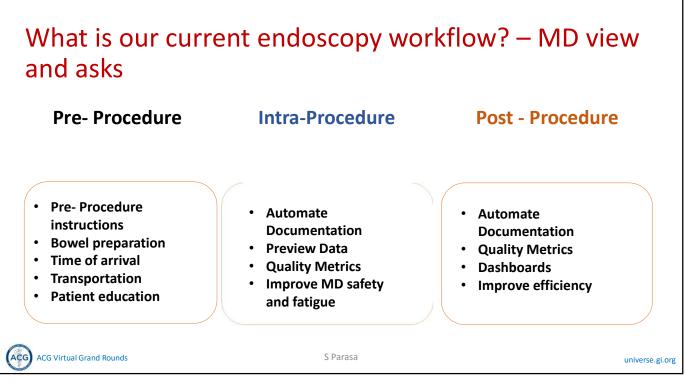


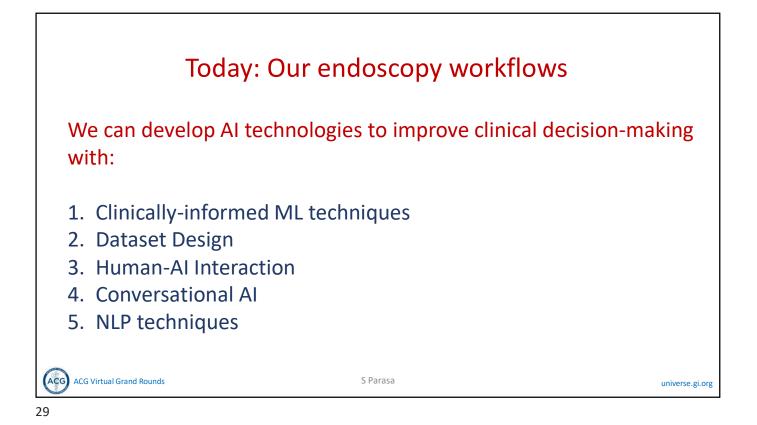


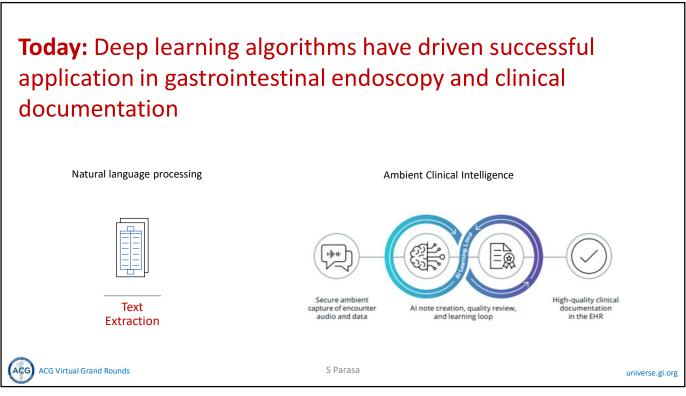






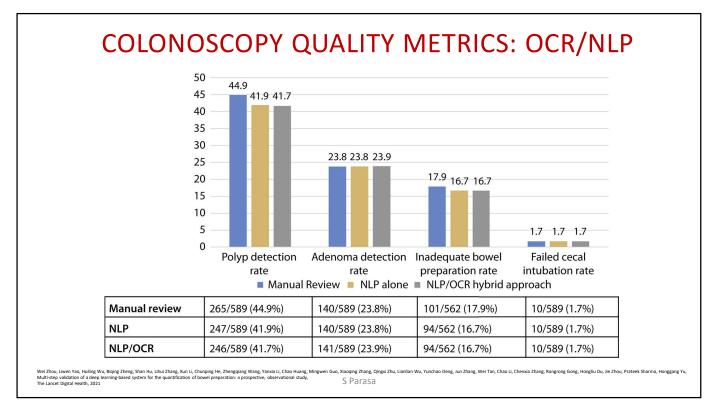


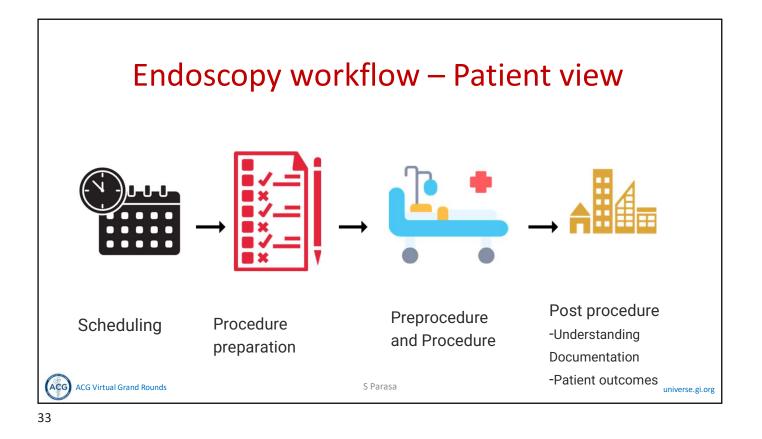


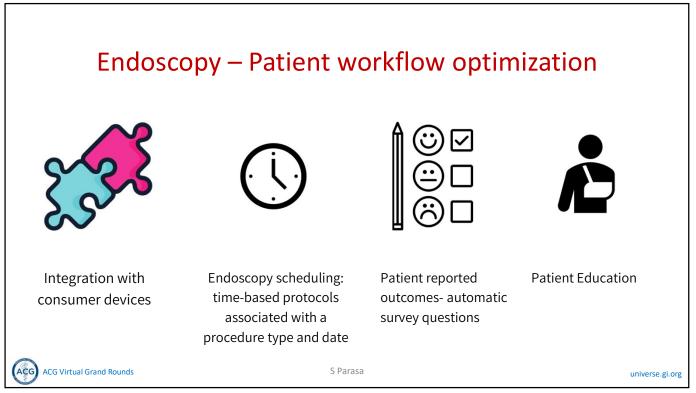


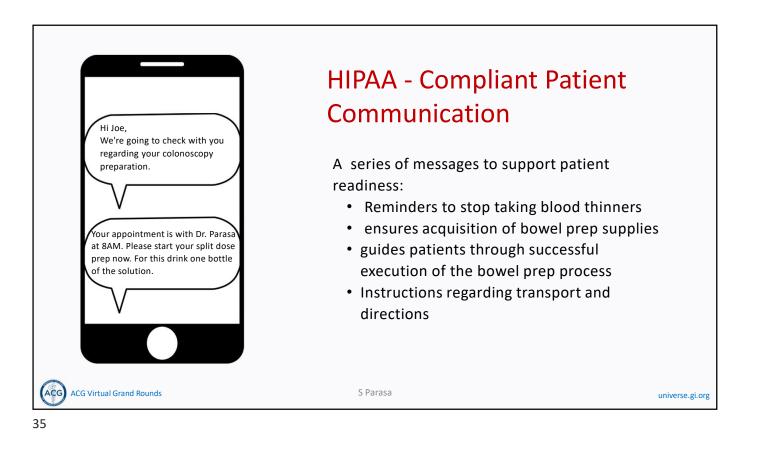
**Today:** Deep learning algorithms have driven successful application in gastrointestinal endoscopy and clinical documentation

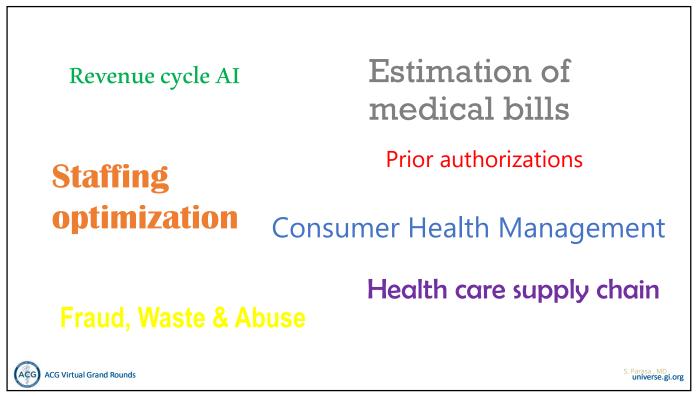


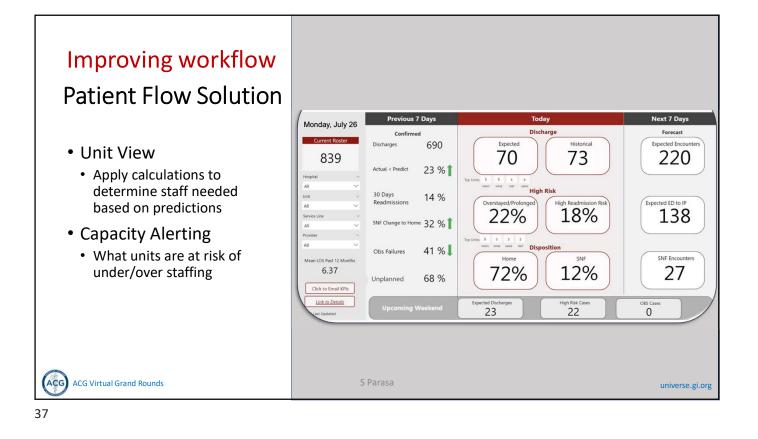














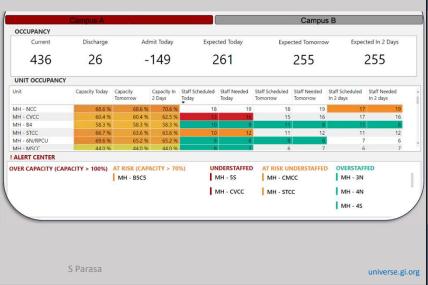


- Apply calculations to determine staff needed based on predictions
- Capacity Alerting

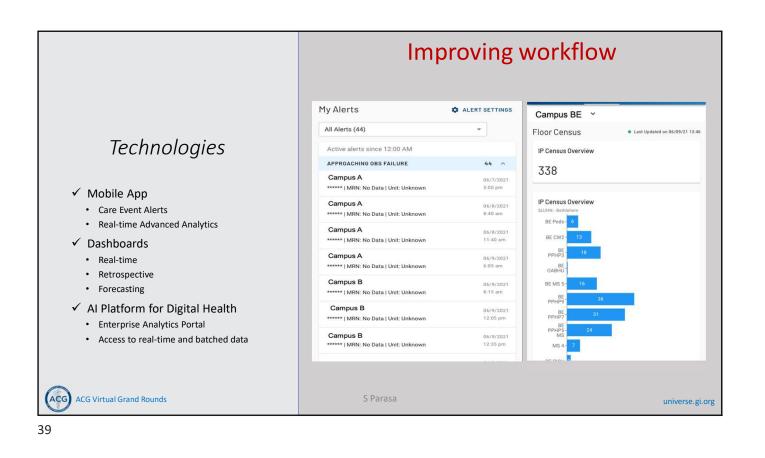
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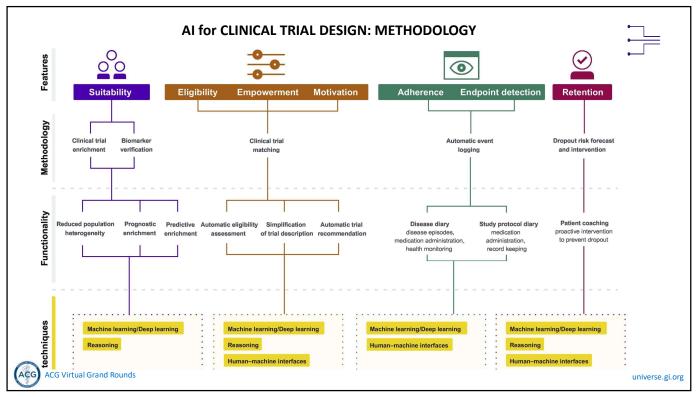
• What units are at risk of under/over staffing

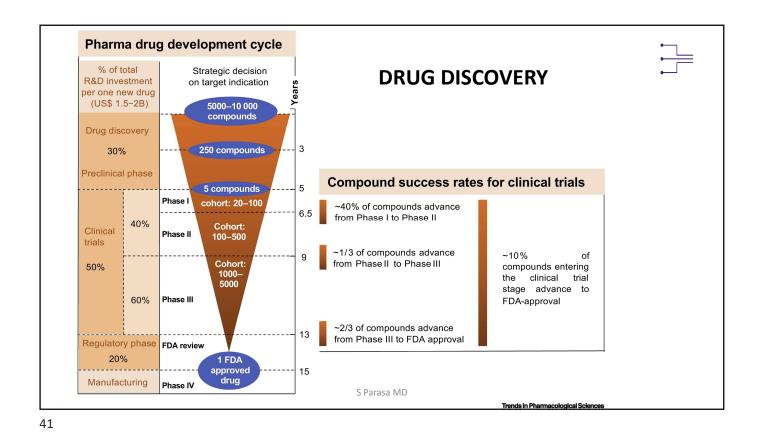
## Improving workflow

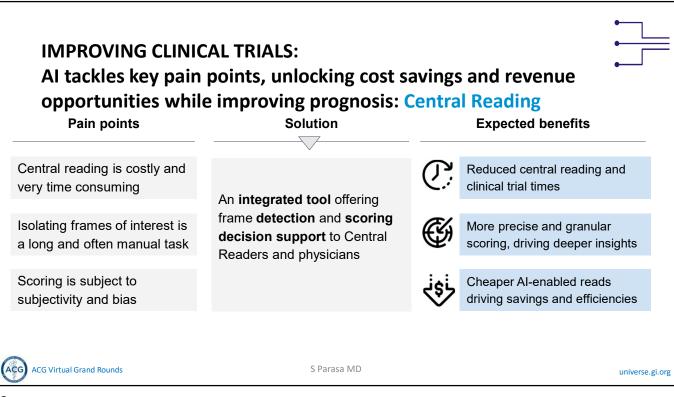


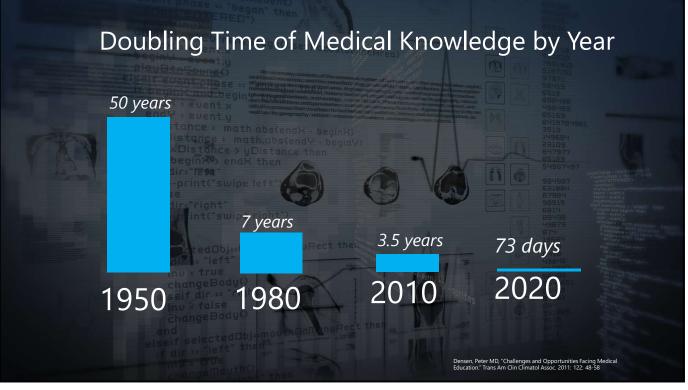
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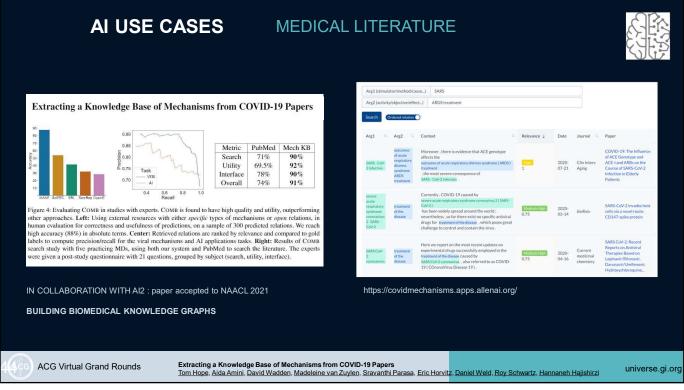


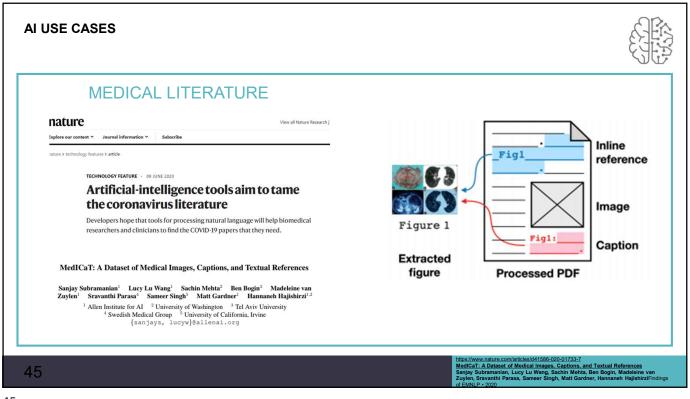




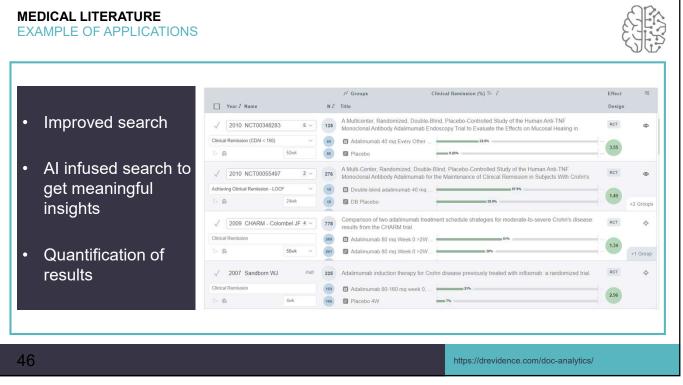












MEDICAL LITERATURE			
Boosting Clinical Outcome Prediction Using Biomedical Literature Aakanksha Naik <sup>1*</sup> Sravanthi Parasa <sup>2</sup> Sergey Feldman <sup>3</sup> Lucy Lu Wang <sup>3</sup> Tom Hope <sup>3,4</sup> <sup>1</sup> Language Technologies Institute, Carnegie Mellon University <sup>2</sup> Swedish Medical Group <sup>3</sup> Allen Institute for Artificial Intelligence <sup>4</sup> Paul G. Allen School for Computer Science & Engineering, University of Washington anaik@andrew.cmu.edu {tomh,lucyw,sergey}@allenai.org			
	Admission Note 49-year-old male refractory hypoglycemia type 1 diabetic	ospital mortality oglycemia ted with sk of adults with	
BEEP system integrates notes + literature			
ACG Virtual Grand Rounds	More accurate prediction: Patient IN COLLABORATION WITH AI2 : paper accepted to NAACL 20		universe.gi.org
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