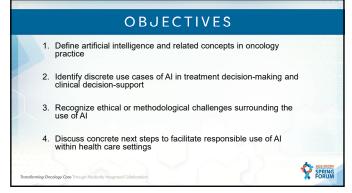
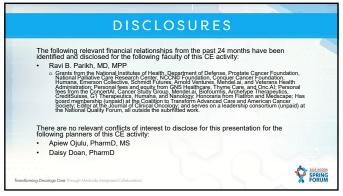


2

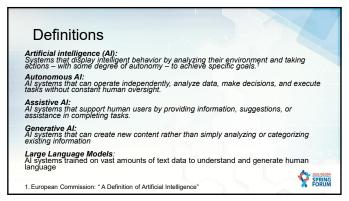


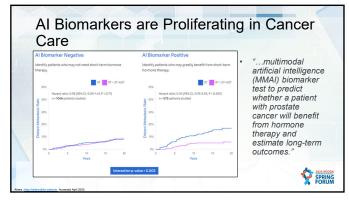


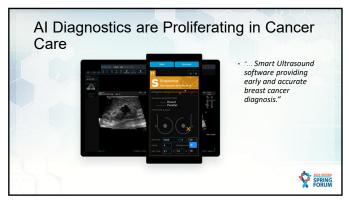
Л



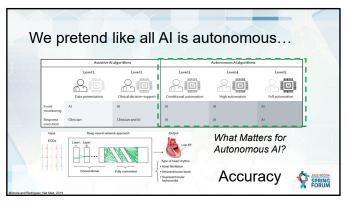
5

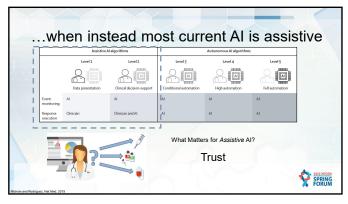


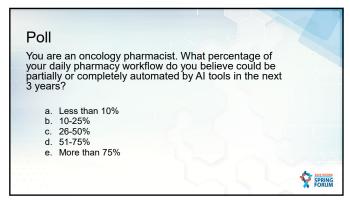




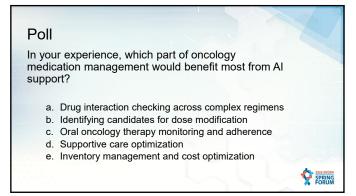
8



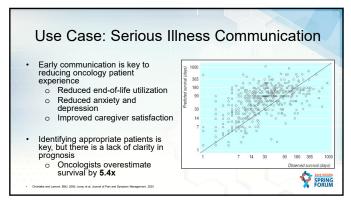




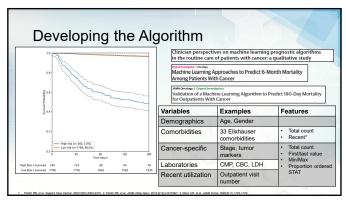
11

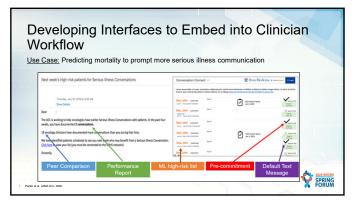


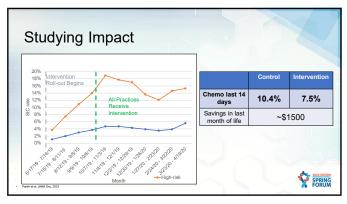




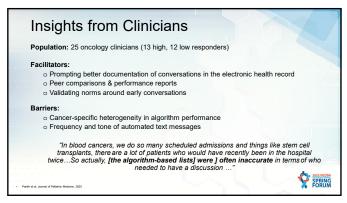
14

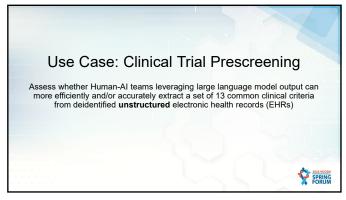


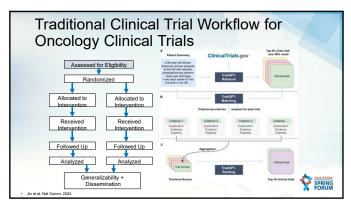




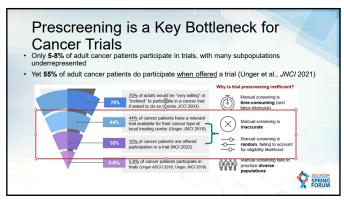
17

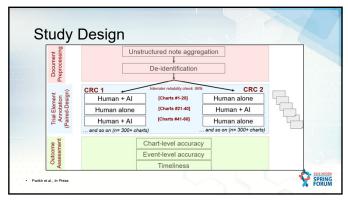


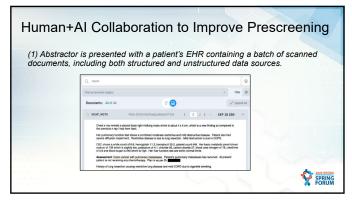




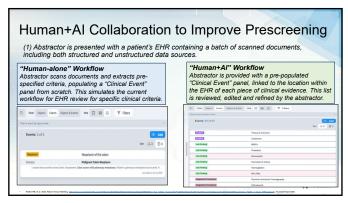
20

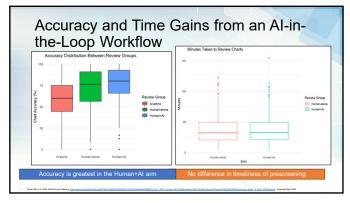






23

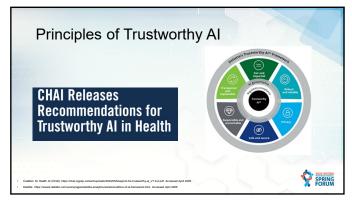


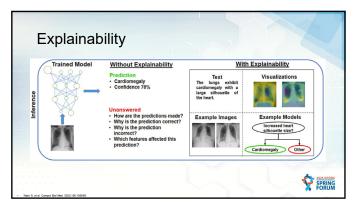


	Criteria	Accuracy (%)			
		Human- Alone	Human + Al	Al-Alone	p-value
Biomarker	Was Biomarker Tested?	84.6	93.2	88.1	<0.001
	Categorical Value	67.9	79.0	32.5	<0.001
	Interpretation	80.8	91.3	35.7	<0.001
Neoplasm	Cancer Type	86.9	86.4	73.3	0.797
	Stage Group	71.7	73.4	57.0	0.573
	M Stage	43.9	57.0	60.2	<0.001
	N Stage	50.5	66.3	52.6	< 0.001
	T Stage	56.3	71.6	54.3	< 0.001
Other	Outcome	23.7	35.9	55.2	0.004*
	Response	47.1	51.7	60.4	0.195
	ECOG Status	84.7	78.1	34.4	0.096
	Medication Concept	89.0	89.1	59.4	0.915

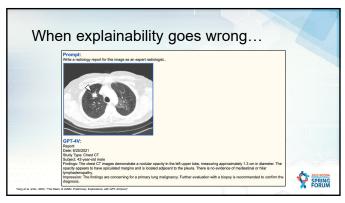
26

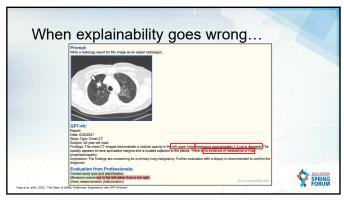
Poll You have just seen 2 examples of clinical decision support in oncology practice. In your oncology pharmacy practice, which of the following Al applications would be most valuable to implement? a. Automated chemotherapy dosing recommendations based on patient-specific factors b. Prediction of adverse events from specific drug combinations c. Clinical trial matching for patients with rare genomic alterations d. Medication adherence tracking and personalized interventions e. None of the above

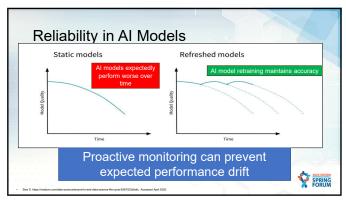




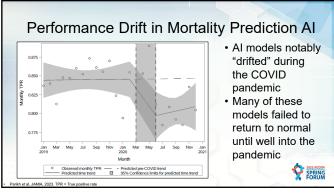
29

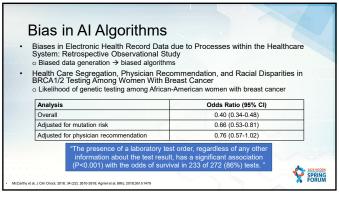


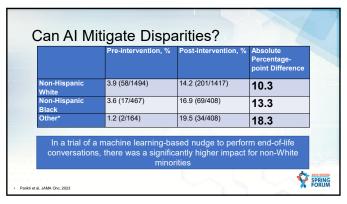




32





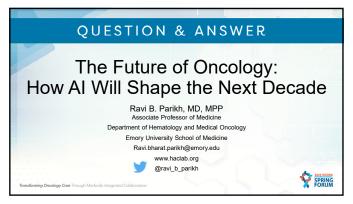


35



SUMMARY - Al in Oncology: Al applications can be assistive or autonomous, with most current applications being assistive - Proven Use Cases: Al systems have demonstrated value in decision support and augmenting human processes - Core Challenges: Key issues include explainability limitations, algorithmic bias, performance drift over time, and variable accuracy across different cancer types - Path Forward: Responsible implementation requires proactive monitoring, comprehensive model documentation, human-in-the-loop workflows, and transparent integration into clinical processes

37



38

