Al for Breast Imaging The larger leap forward

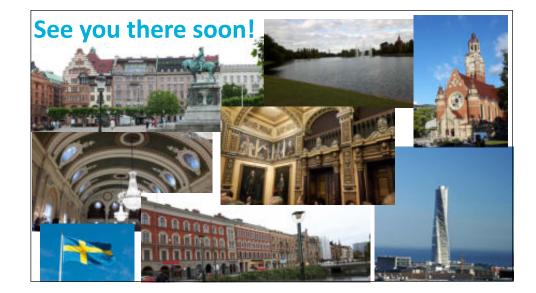
Ioannis Sechopoulos

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axti.radboudimaging.nl 🤤 @IoannisNL 💟



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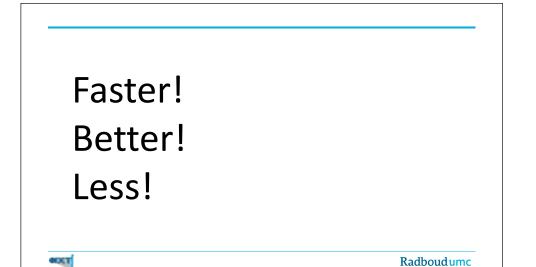


Research Agreements:	Siemens Healthcare
	Canon Medical Systems
	ScreenPoint Medical
	Volpara Solutions
	Sectra Benelux
peaking Agreements:	Siemens Healthcare
	ScreenPoint Medical
ScreenPoint Medical is a	a spin-off company from my Department,

We're on our way...

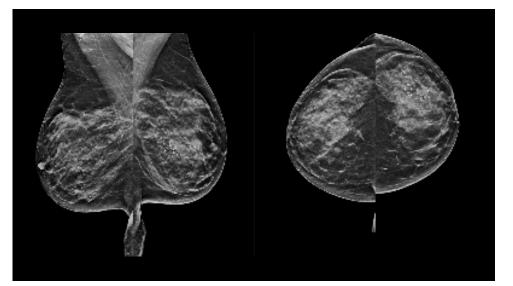
...to where?

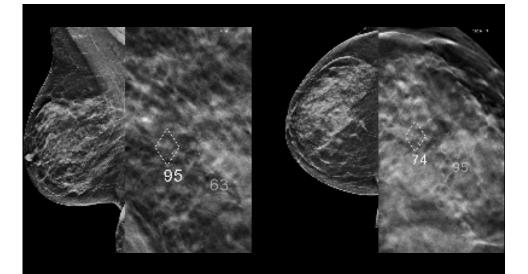
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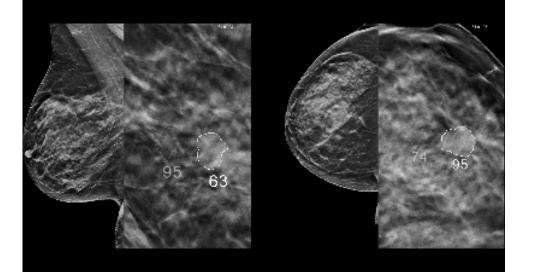


AI-Assisted Reading

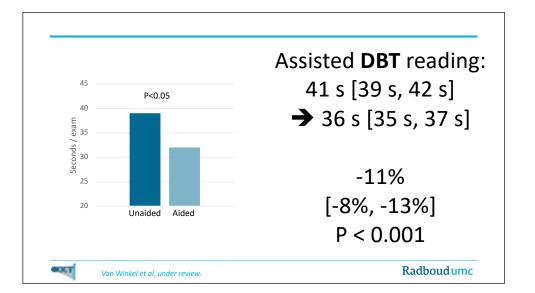
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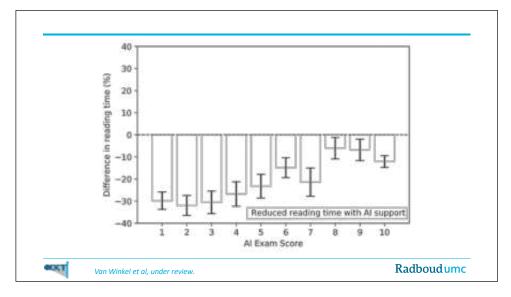


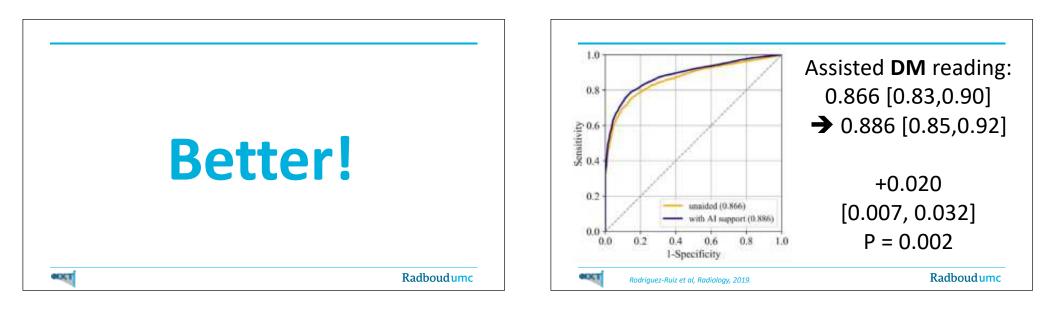


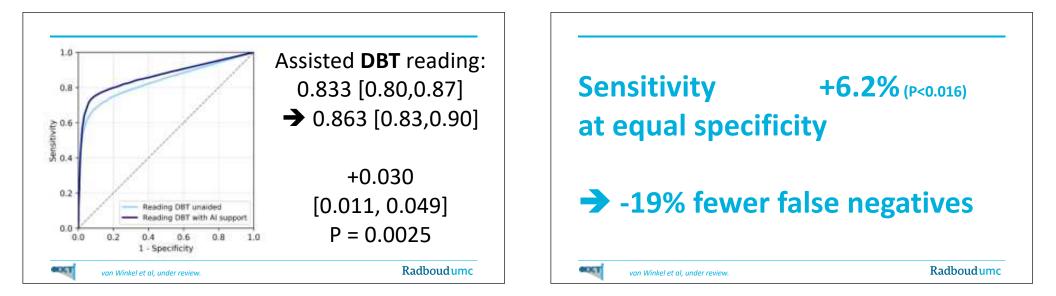


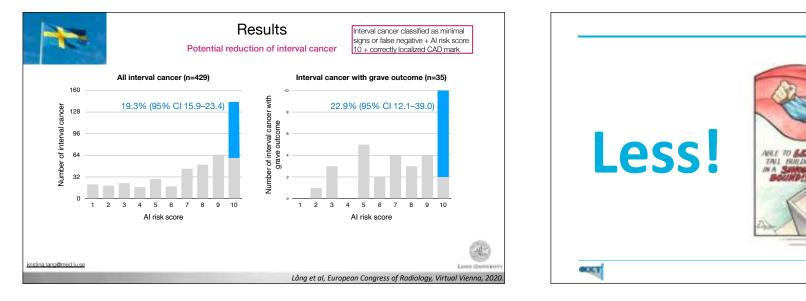




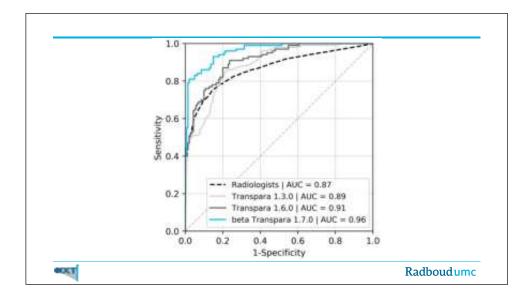


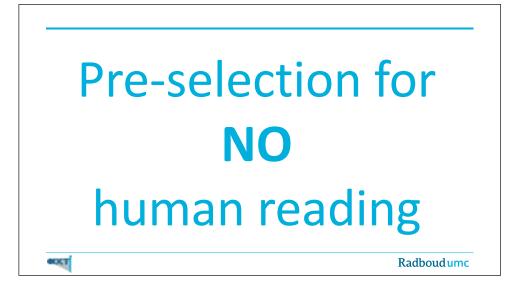


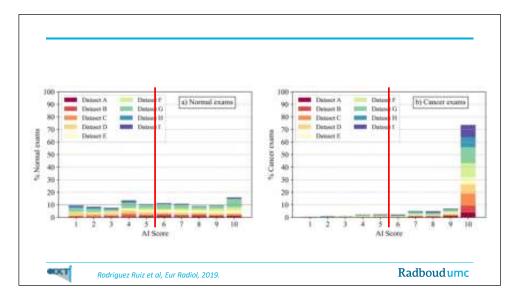


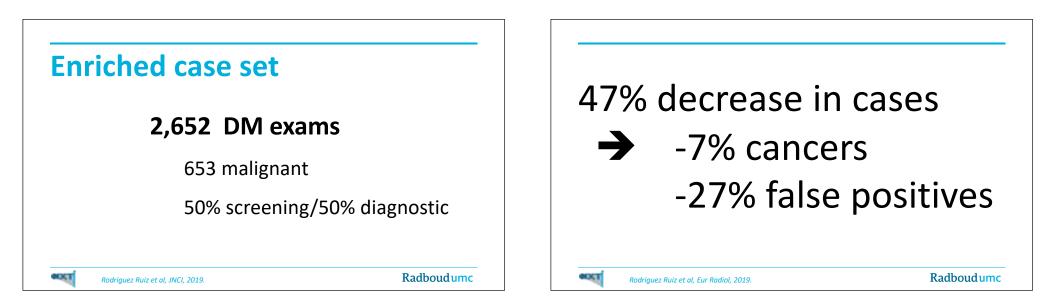


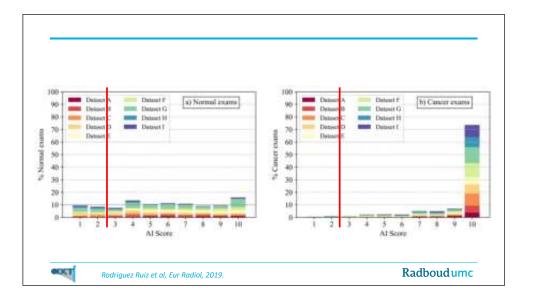


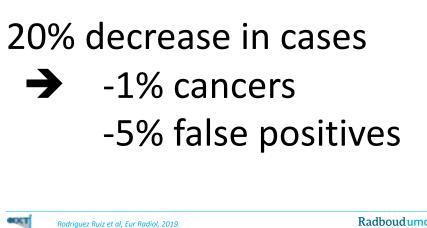




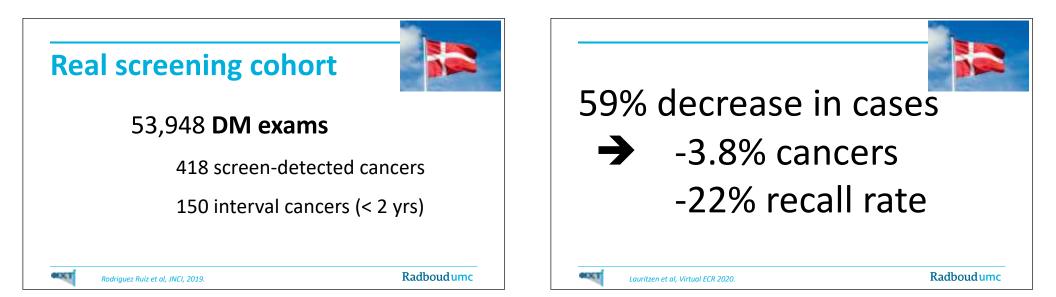










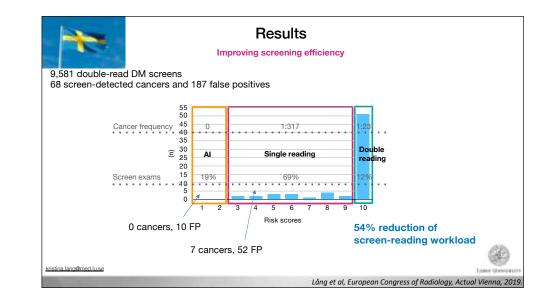




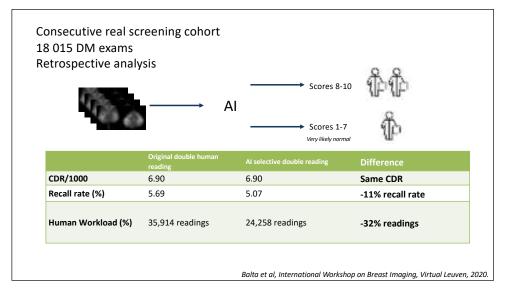


Pre-selection for SINGLE human reading

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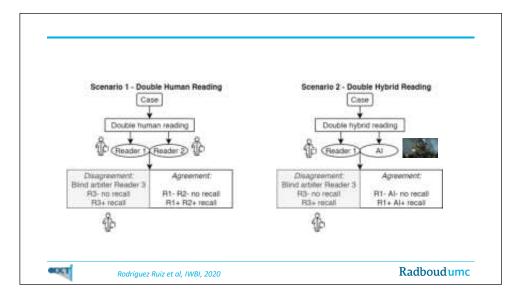


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Stand-alone Al as the **second** reader

COCT



		*	修	
		Double Human Reading	Double Hybrid Reading	Difference
(55, 57) (-42, -45)	Norkload (%)	100	56	-44
			(55, 57)	(-42, -45)
P<0.001				P<0.001

	\$r \$r	\$	
	Double Human Reading	Double Hybrid Reading	Difference
Sensitivity (%)	81.5	81.4	-0.1
	(75.8 <i>,</i> 87.3)	(75.3, 87.2)	(-4.1, 3.9)
			P = 0.88
Specificity (%)	69.9	75.2	+5.3
	(68.4, 71.5)	(73.8, 76.7)	(4.0, 6.7)
			P<0.001





Will you behave the same way?

COL

