Appendix Figure 1. **Example comparative interaction for a subset of a case appraisal task.** In each system, the user views a note and several laboratory result panels. See also Figure 2.

Conventional system

1a. The user clicks	on the side me	enu and views the	latest note
Menu	Patient, Fake	MRN: 222-2222	DOB: 5/5/55
Demographics			
Notes	Primar	y	
Primary clinic note		-	
Laboratory Results			
Creatinine, urine			
BMP			
HbA1c			
Urinalysis			
BMP2			

2a. The user clicks on the labs menu and views the creatinine.

Menu	Patient, Fake	MRN: 222-2222	DOB: 5/5/55
Demographics			
Notes		Creatinine,	
Primary clinic note		urine	
Laboratory Results			
Creatinine, urine			
BMP			
HbA1c			
Urinalysis			
BMP2			

3a. The user clicks on the labs menu and views the Basic Metabolic Panel.

Menu	Patient, Fake	MRN: 222-2222	DOB: 5/5/55
Demographics			
Notes Primary clinic note Laboratory Results Creatinine, urine		Basic Metabolic Panel	
BMP HbA1c Urinalysis BMP2			

4a. The user clicks on the labs menu and views the HbA1c.

Menu	Patient, Fake	MRN: 222-2222	DOB: 5/5/55
Demographics			
Notes			
Primary clinic note	(HbA1c	
Laboratory Results			
Creatinine, urine			
BMP			
HbA1c			
Urinalysis			
BMP2			

MedWISE

1b. The user clicks on the side menu and views the latest note

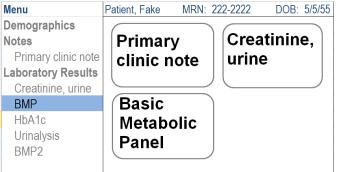
Menu	Patient, Fake	MRN: 222-2222	DOB: 5/5/55
Demographics Notes	Primar	v	
Primary clinic note		-	
Laboratory Results			
Creatinine, urine			
BMP			
HbA1c			
Urinalysis			
BMP2			

2b. The user clicks on the labs menu and views the creatinine, but the note remains on screen, one can compare note and lab.

 Menu
 Patient, Fake
 MRN: 222-2222
 DOB: 5/5/55

Demographics Notes Primary clinic note Laboratory Results	Primary clinic note	Creatinine, urine
Creatinine, urine		
BMP		
HbA1c		
Urinalysis		
BMP2		

3b. The user clicks on the labs menu and views the Basic Metabolic Panel. The other items remain on screen.



4b. The user clicks on the labs menu and views the HbA1c. The other items remain on screen.

Menu	Patient, Fake MRN: 2	222-2222 DOB: 5/5/55
Demographics Notes Primary clinic note	Primary clinic note	Creatinine, urine
Laboratory Results Creatinine, urine BMP	Basic	HbA1c
HbA1c Urinalysis BMP2	Metabolic Panel	