

Summary on DCE-US

- DCE-US has been used for many years and evaluated in phantoms, animal models and humans.
- Guidelines for the use of DCE-US have been established.
- Phantoms would be available to characterize system performance.
- A variety of contrast agents could be assessed as well as imaging systems.

Challenges

- Selection of specific application.
 - Likely candidates would include liver, breast, thyroid, prostate.
 - Cardiac?
- Takes both agents and systems manufacturers
- FDA approval of noncardiac CEUS



No. of Patients Affected by Technique (1-10 scale)	Clinical Targets (Biomarkers) for Technique	No. Affected by Likely Clinical Target (Actual # and rate on 1-10 scale)	Improved Measurement Bias & Precision Needed (1-10 scale)	Impact on Patient Care/Quality of Life (1-10 scale)	Relative Cost (patient & system) (1-10 scale)	Achievability Time (1-10 <u>years</u>)	Overall Performance Score (1-10 scale, 1= best)
2	2	2	4	3	1	?	2

2

2

2

4

3

1

?

2

