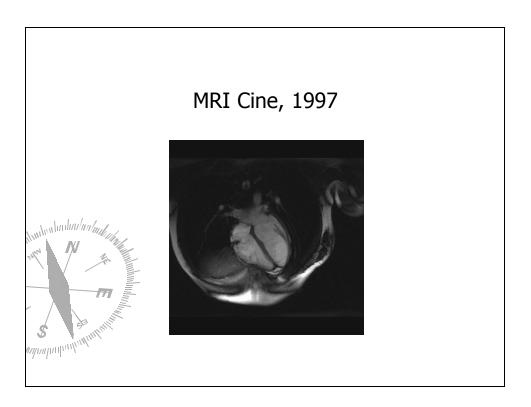
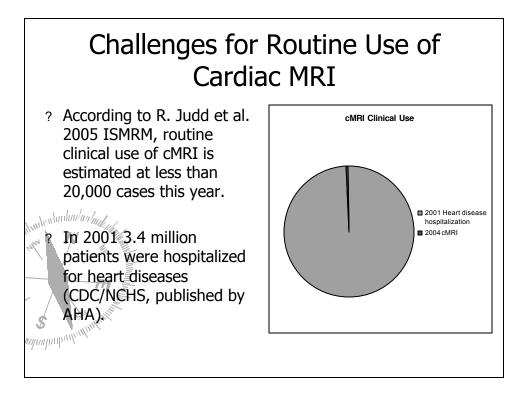
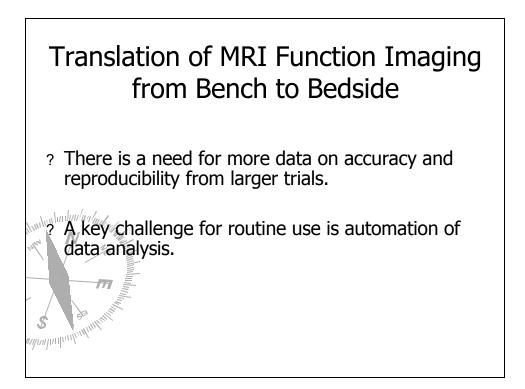


Imaging Tissue Motion Using MRI DENSE - Displacement Encoding with Stimulated Echo

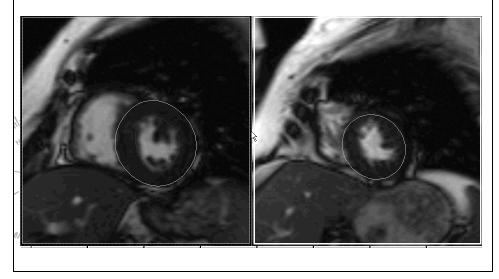
Imaging Physics Section, Laboratory of Cardiac Energetics, National Heart, Lung and Blood Institute

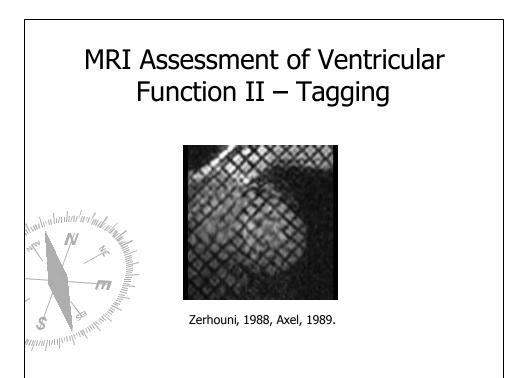


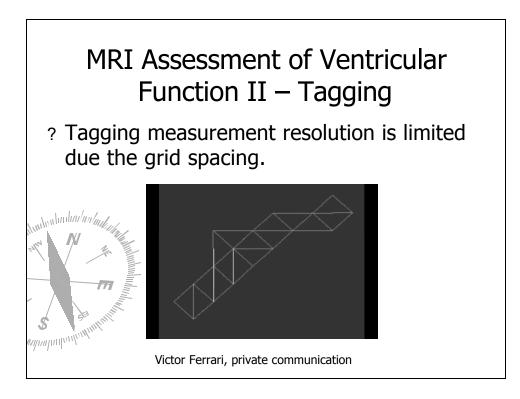


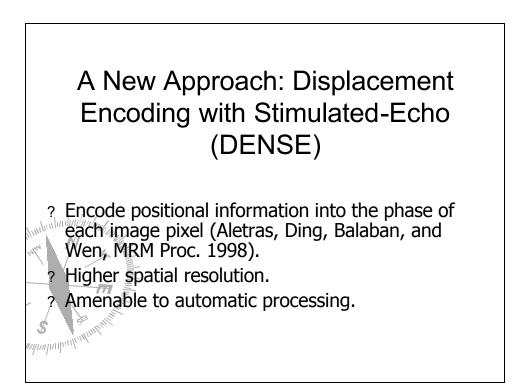


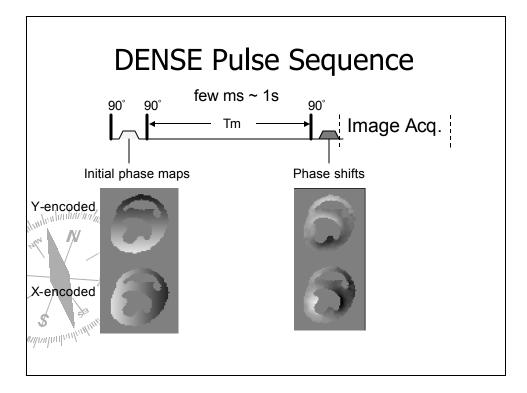
MRI Assessment of Ventricular Function I – Cine Imaging

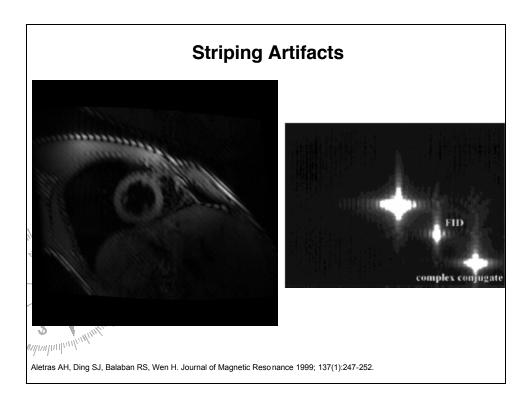


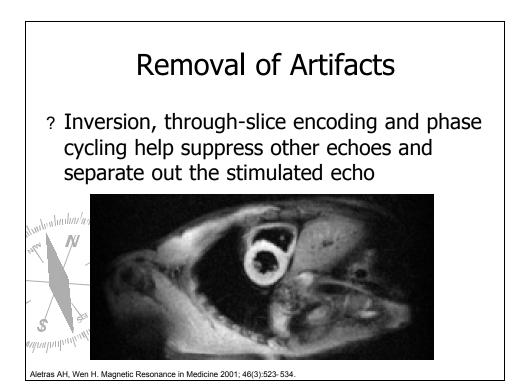


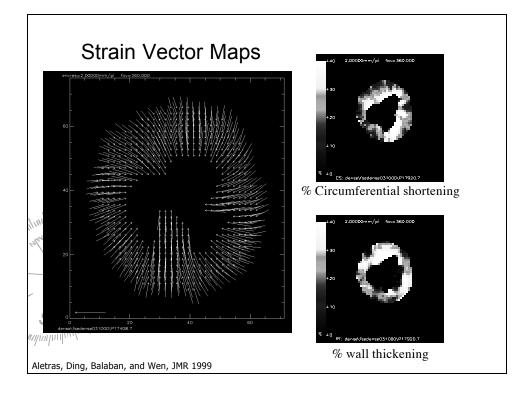


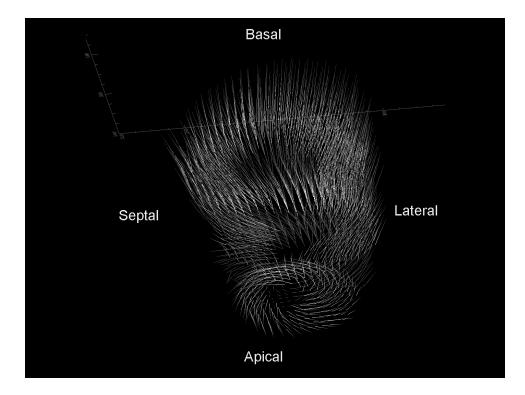


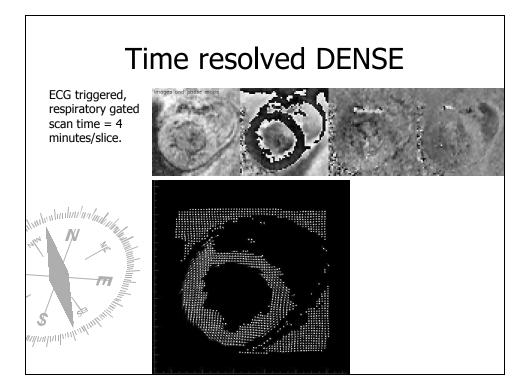


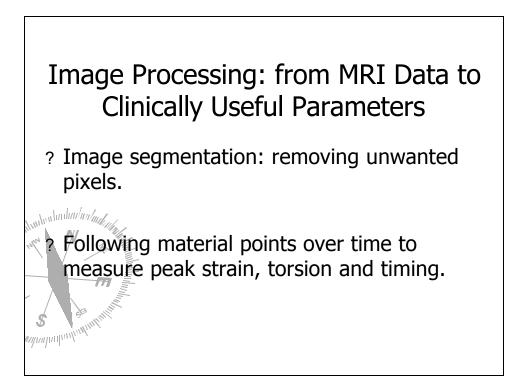


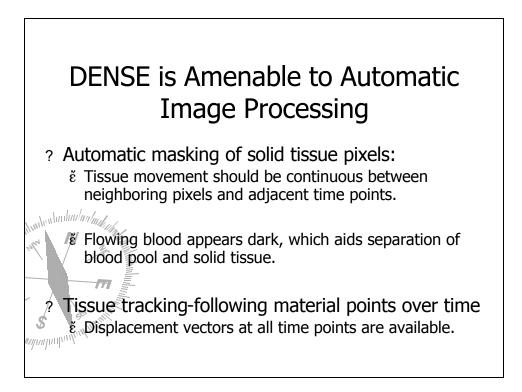


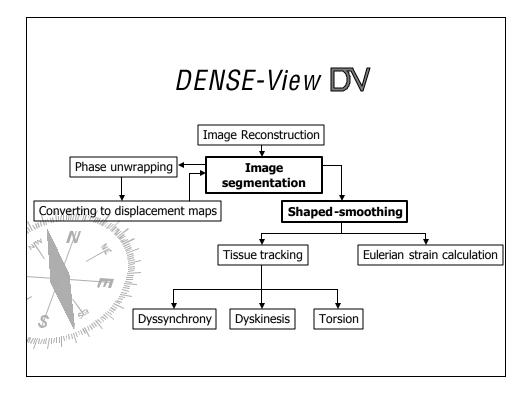




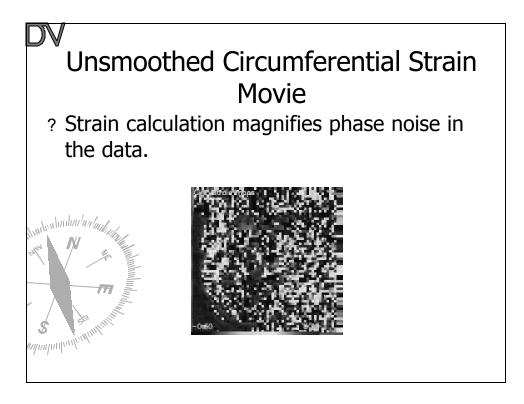


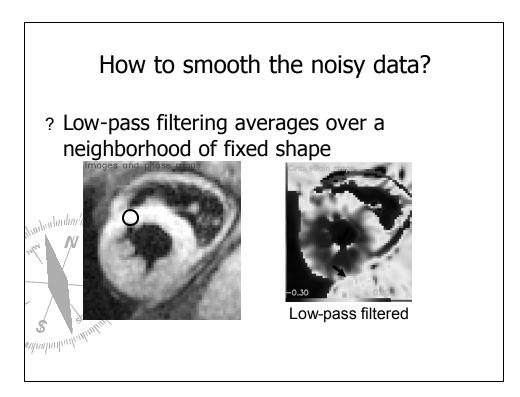


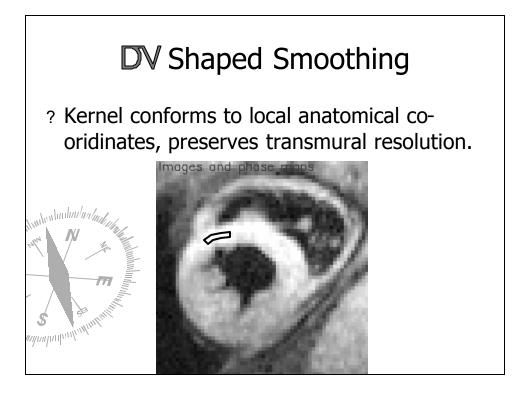


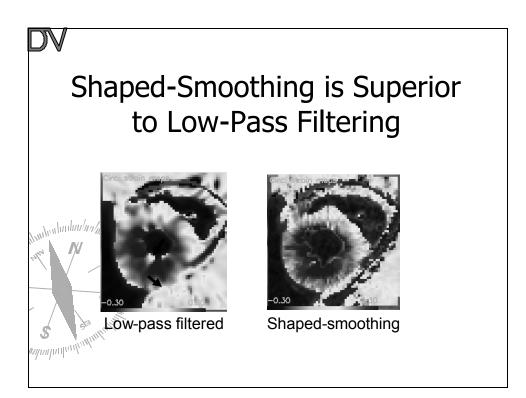


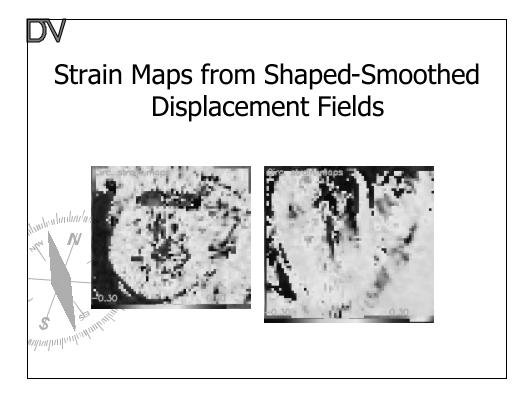
DV		Magnitude	Phase X	Phase Y	
alundon landan organi son v	Raw data	O			
	Phase singularity removed	O)	J.		
	Slip points removed				
	Intensity thresholded and phase unwrapped	C.	R		

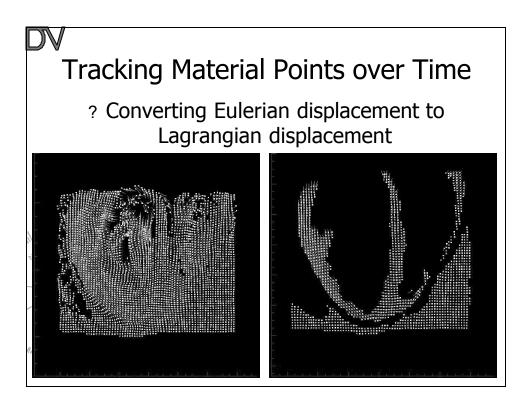


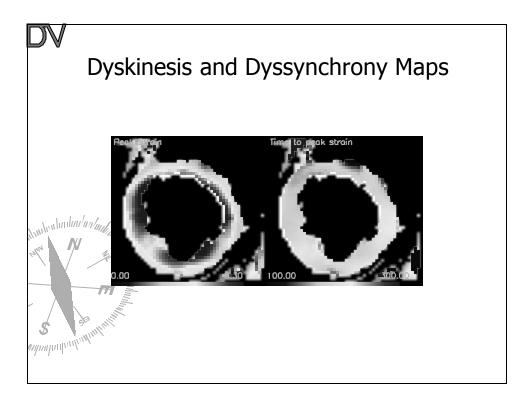


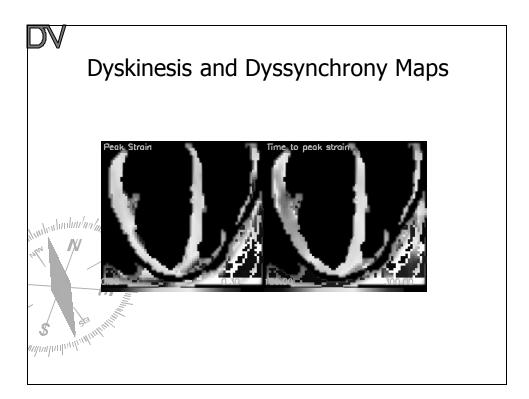


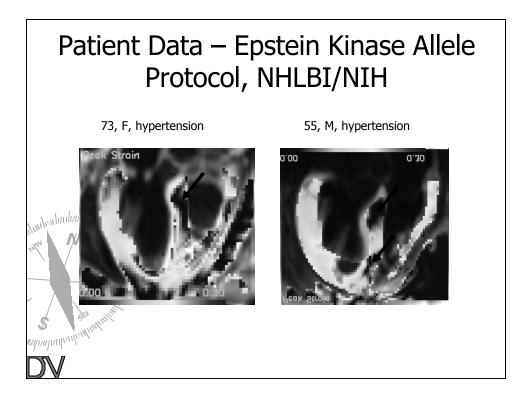


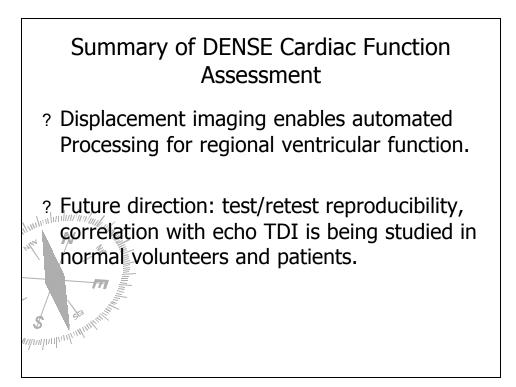


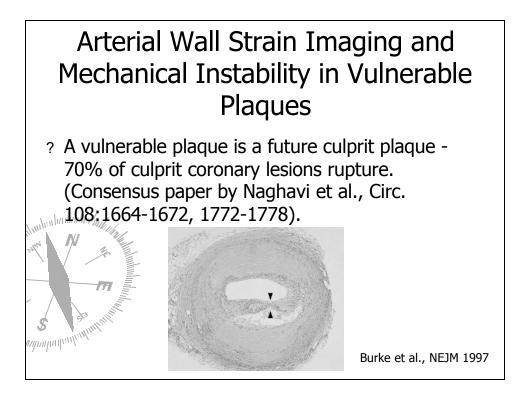


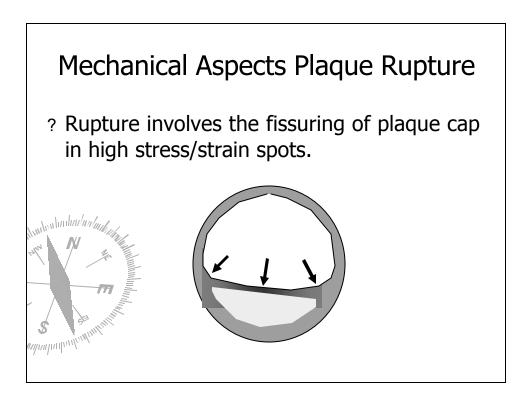


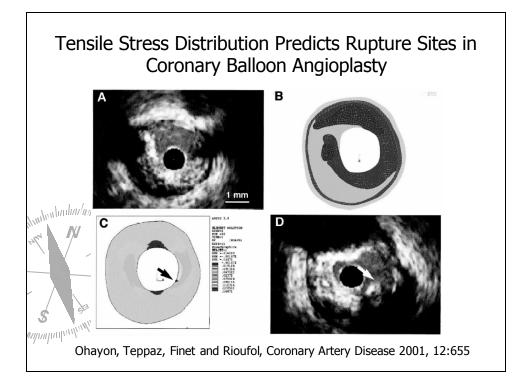


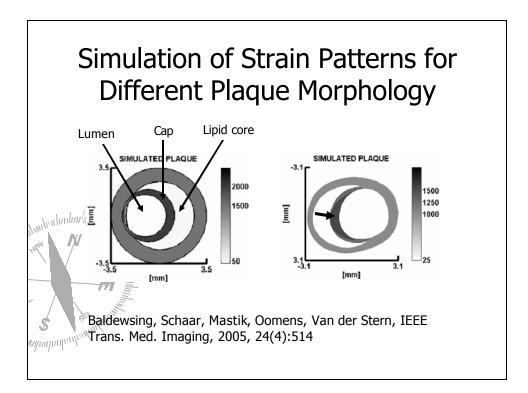


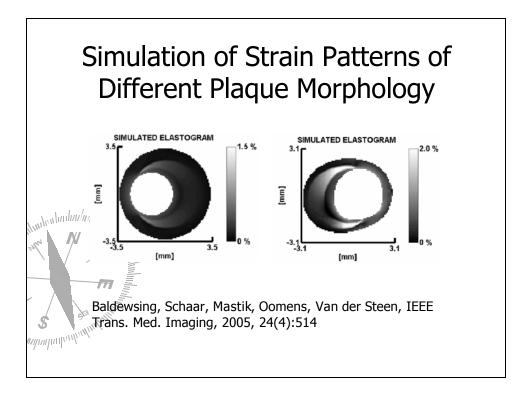


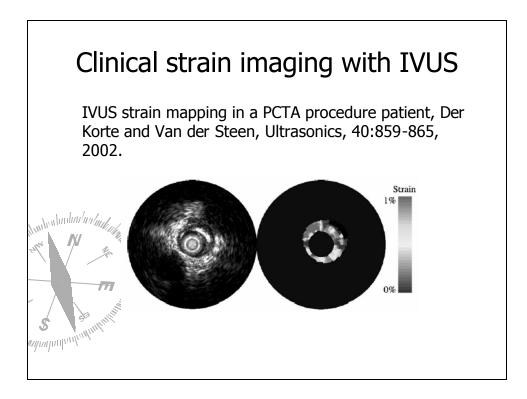


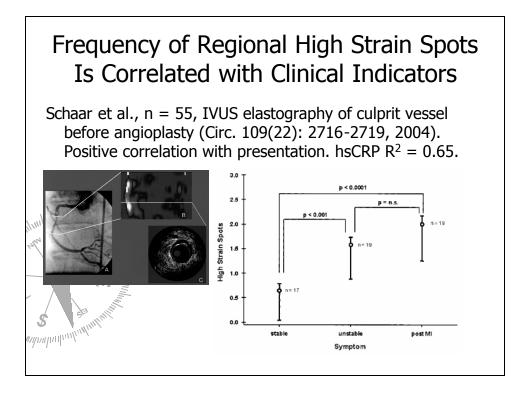


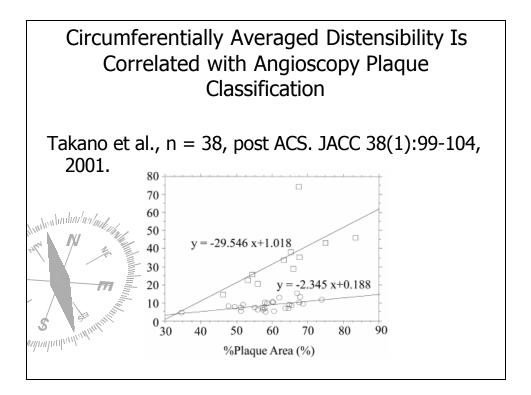


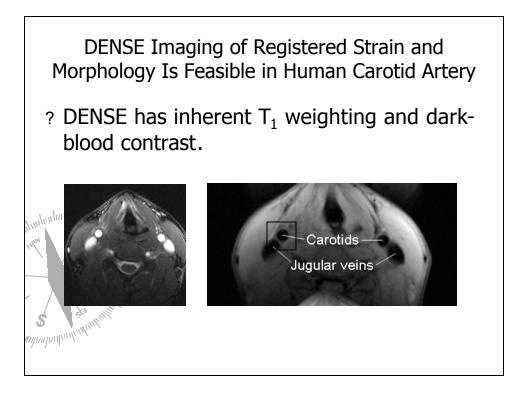


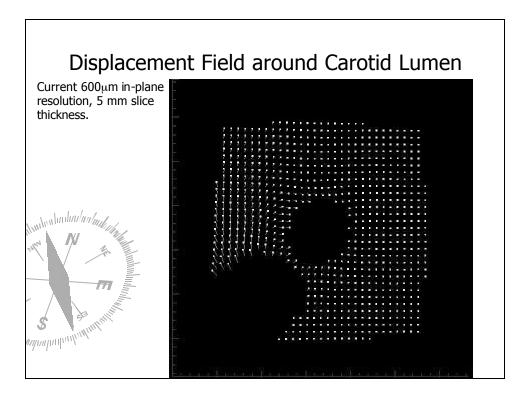


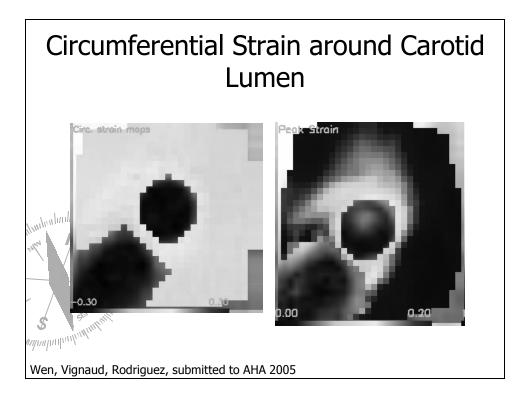


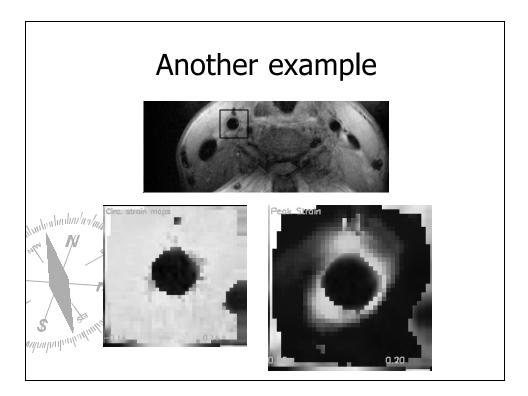


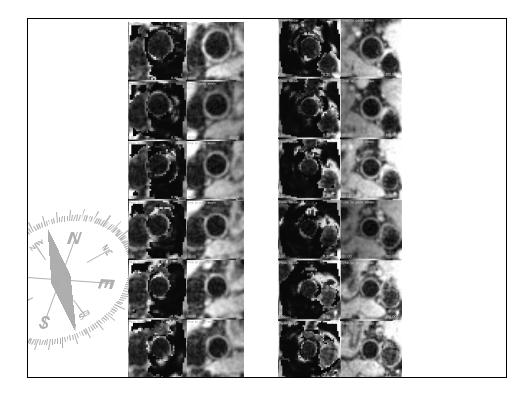












Summary of vessel wall strain imaging

? Simultaneous strain and morphology imaging of the carotid artery is feasible in humans.

? Correlation of MRI findings with other markers needs to be studied in patients with carotid lesions.

? The spatial resolution at 1.5T is 500 – 600 μ m, and is expected to improve with 3T scanners.

