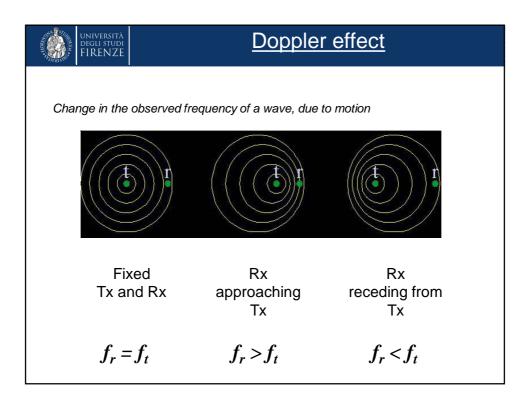
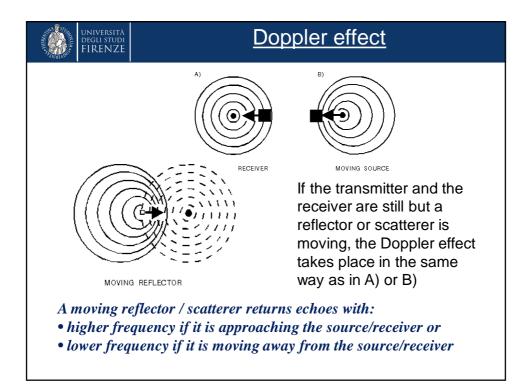
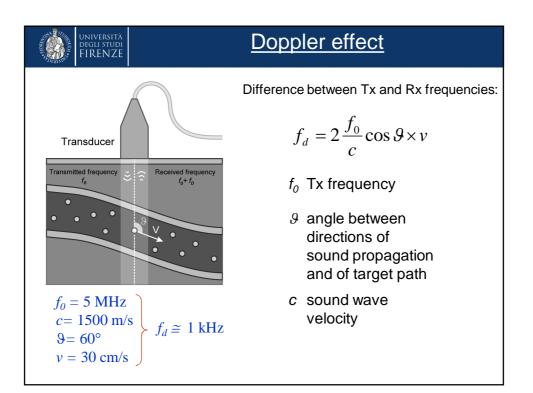
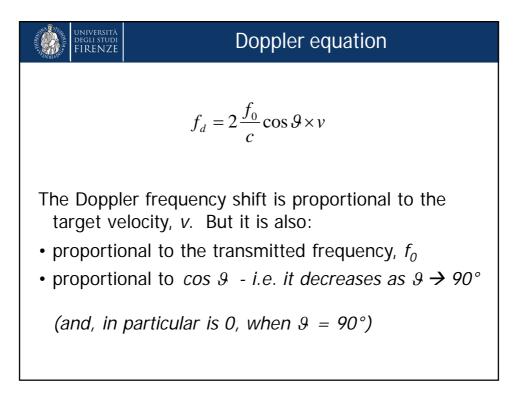


UNIVERSITÀ DEGLI STUDI FIRENZE	<u>Outline</u>
• CW • Puls PRF	opler effect /PW Doppler systems building-blocks sed Wave (PW) mode: ^F , sample volume, spectral broadening, an frequency estimation
Advanced Doppler systems and methods: > Single-gate (TCD, Duplex) > Multi-gate > Flow-imaging > Power, Harmonic & Tissue Doppler imaging • Doppler artefacts (aliasing, blooming)	

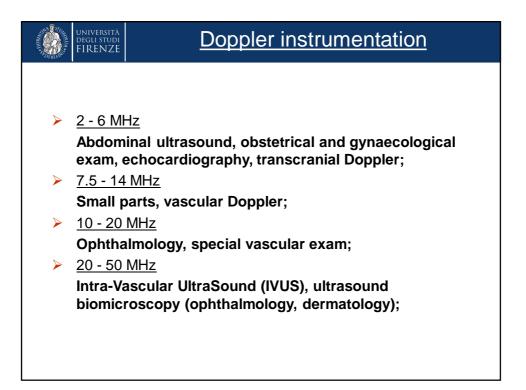






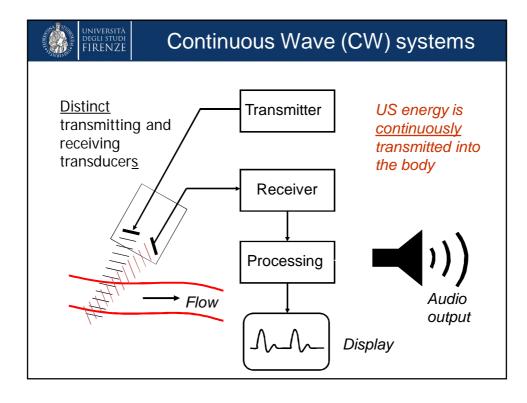


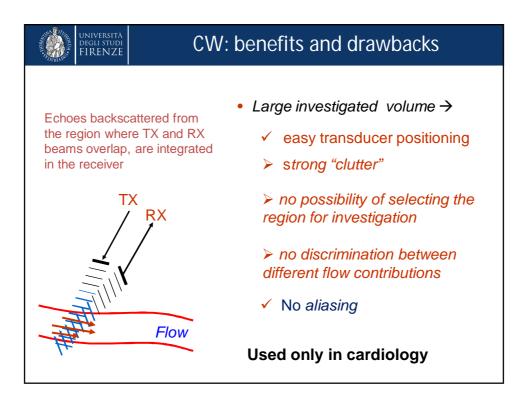
UNIVERSITÀ DEGLI STUDI FIRENZE	ood velocities
Vessel	Speed range (cm/s)
Carotid artery	100 - 150
Ascending aorta	20 - 290
Descending aorta	25 - 250
Abdominal aorta	50 - 60
Femoral artery	100 - 120
Artérioles	0.5 - 1
Capillaries	0.02 - 0.17
Inferior cava vein	15 - 40

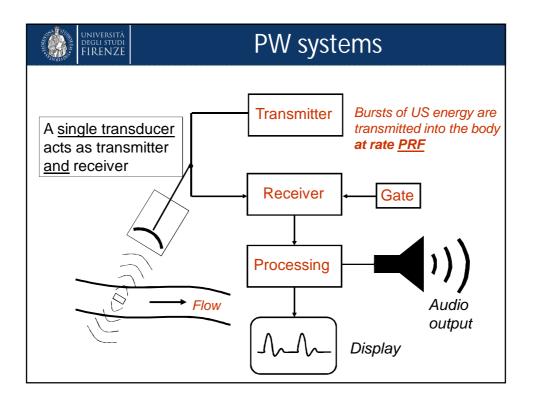


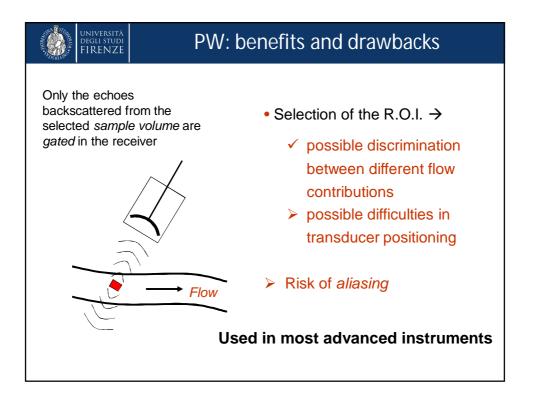


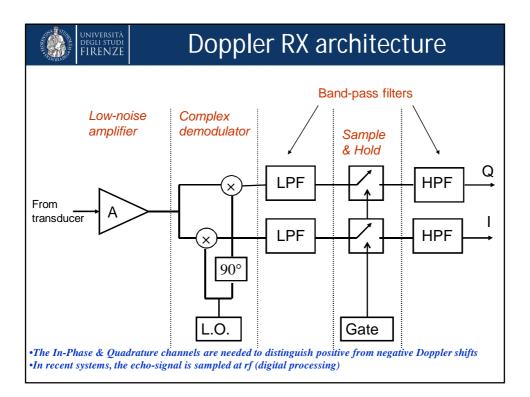


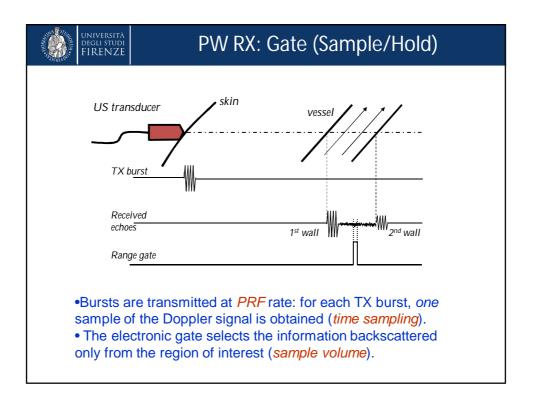


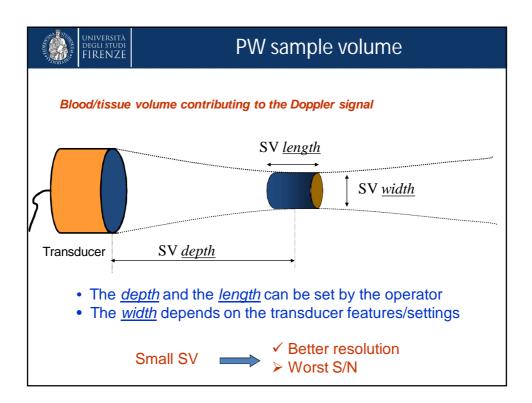


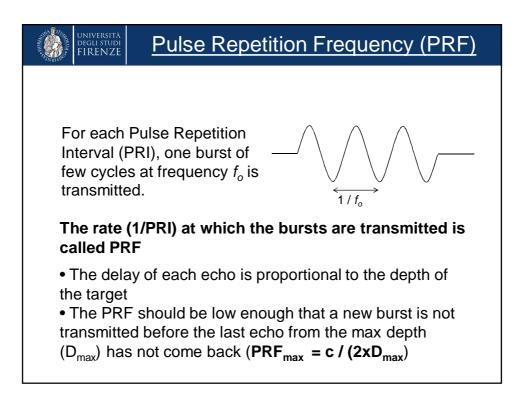


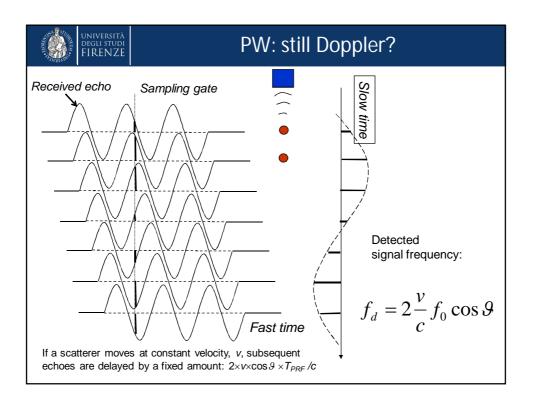


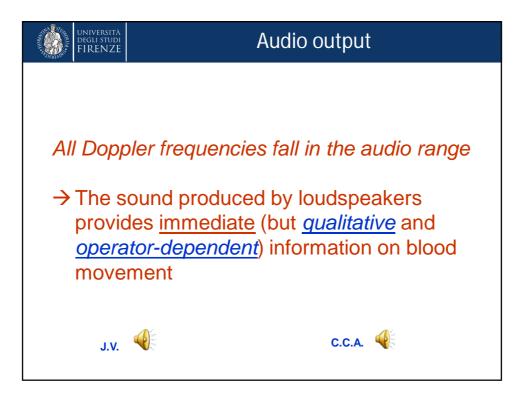


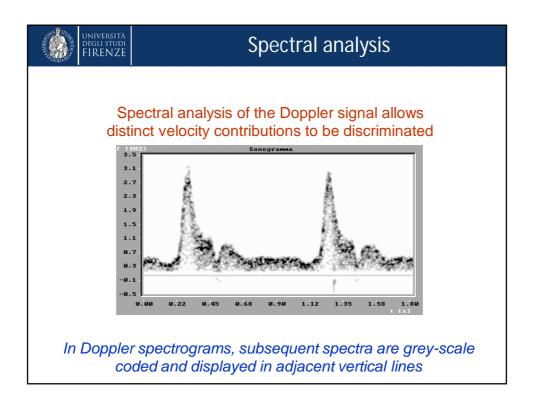












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	Detection of stenosis
	(b)

