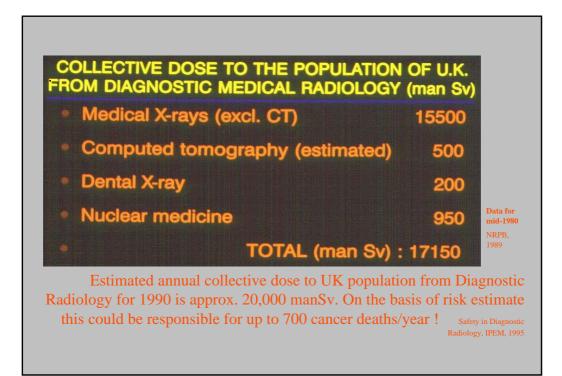
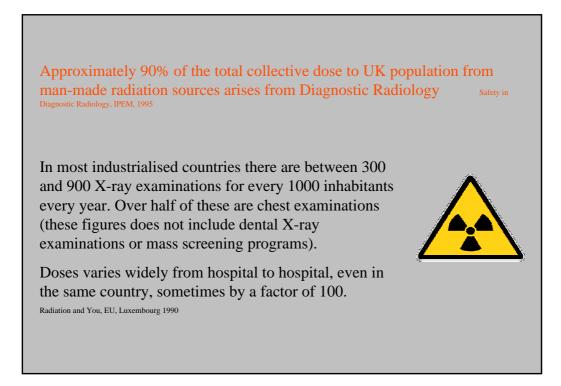
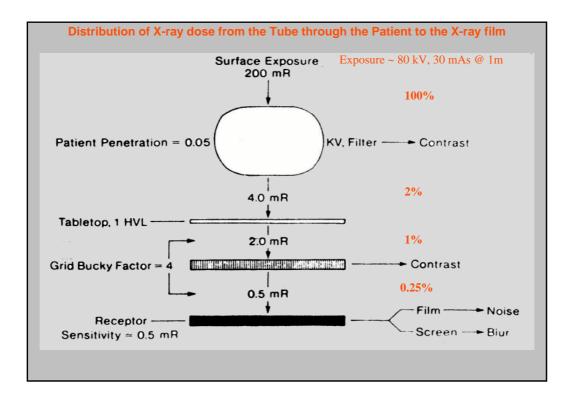


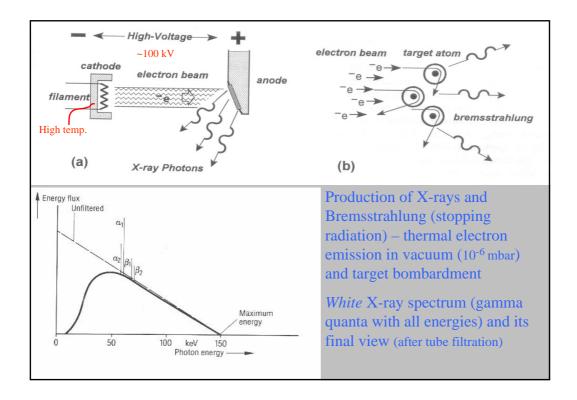
- Production of X-rays	OBJECTIVES
- X-ray tube construction	
- Anode - types, efficiency	
- X-ray tube working characteristics	
- Intensity of X-ray beam, housing and filtration	
- Classical X-ray generator (block diagram)	
- Medium frequency X-ray generator (block diagram)	
- Principle of radiographic contrast formation	
- X-ray film and film/screen combination	
- Mammographic contrast and X-ray tu	ubes

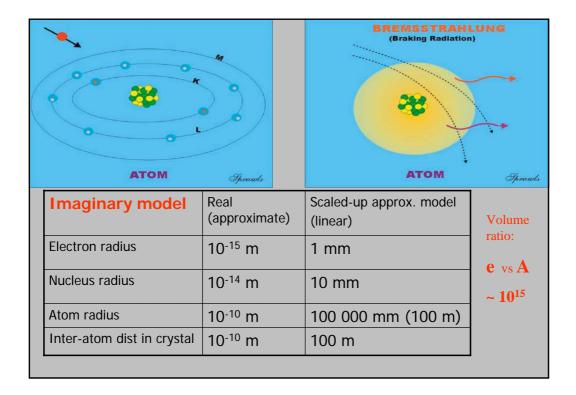
- Various radiographic contrasts (definitions)

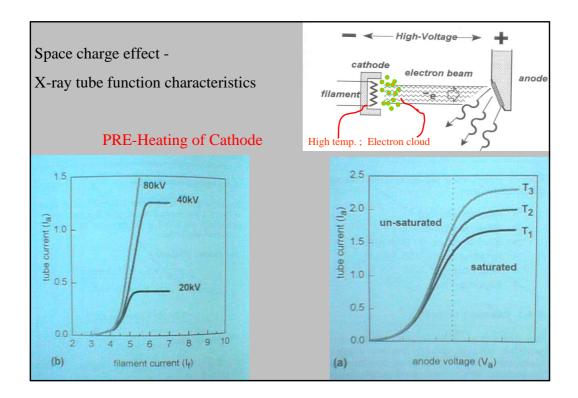


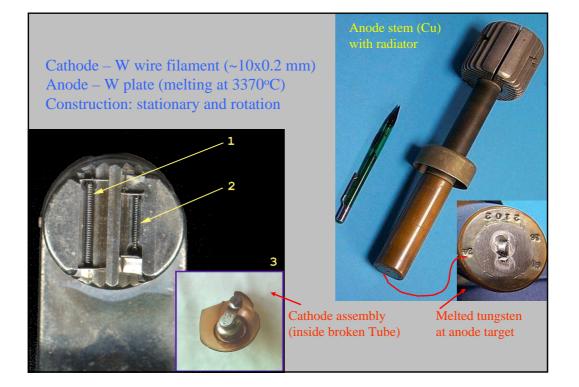


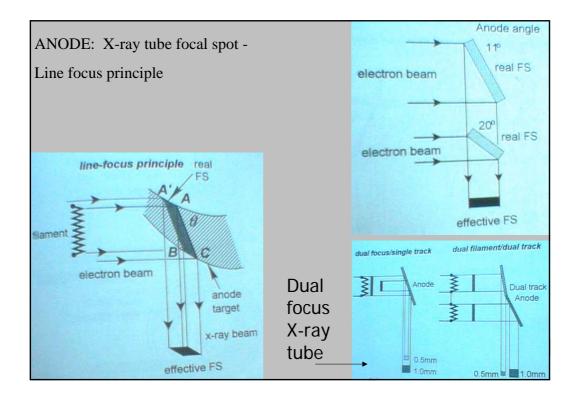


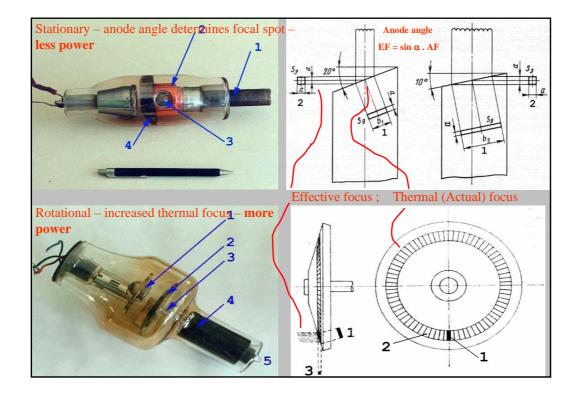


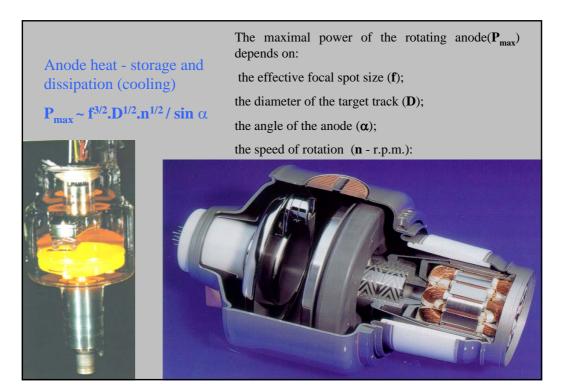


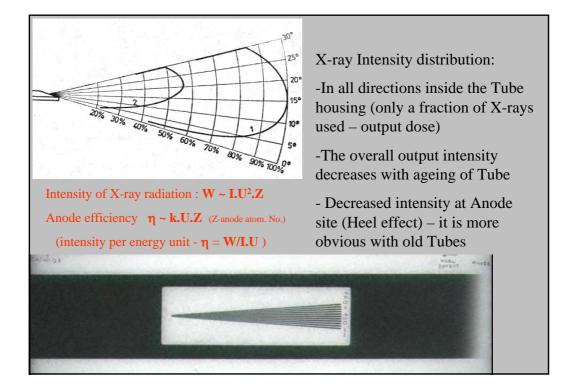




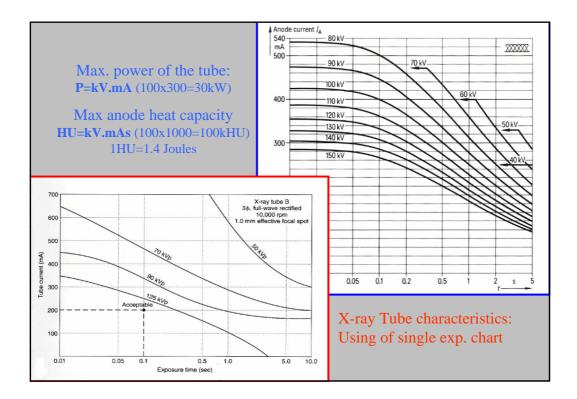


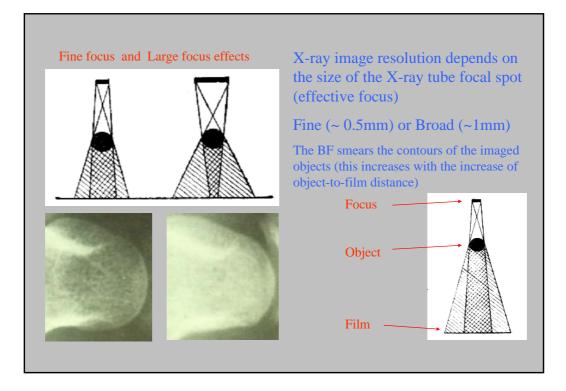


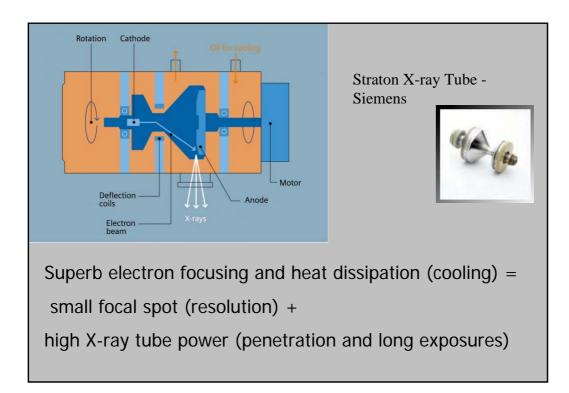


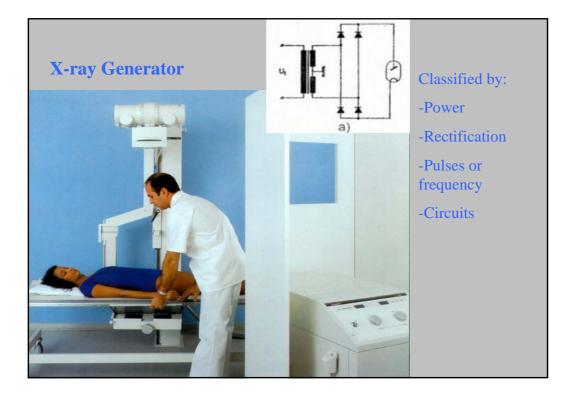


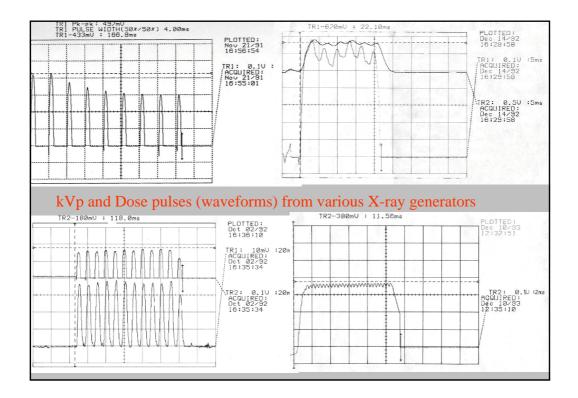


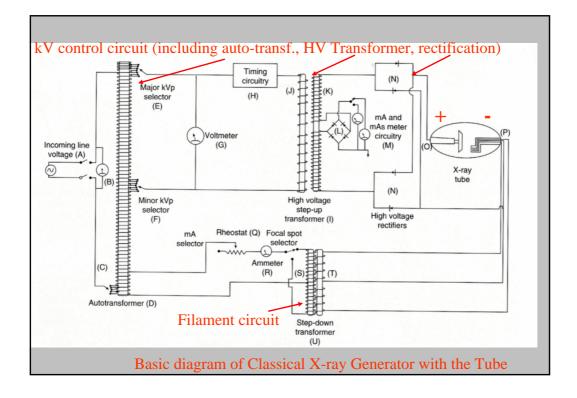


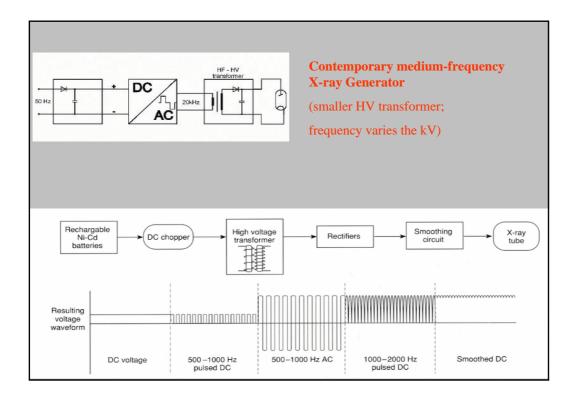


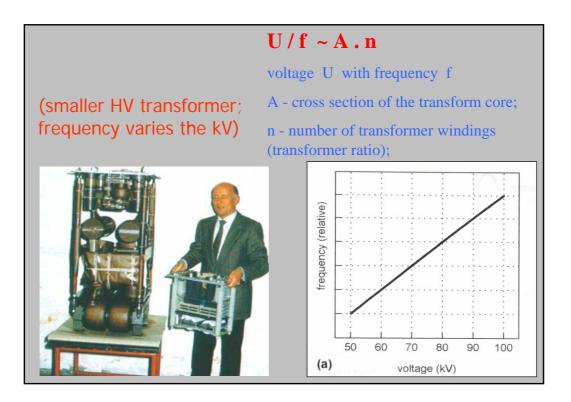


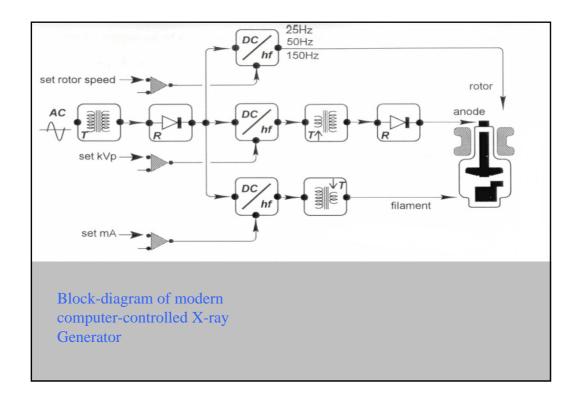


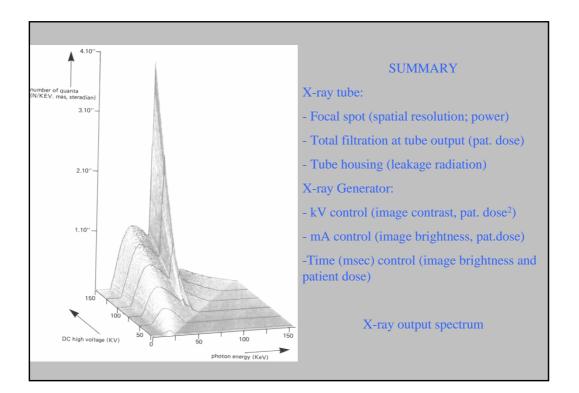












The X-ray source radiation \mathbf{I}_{o} passes through the object (the body) and is modulated by the body tissues ^(µ,d) on its way. This modulated radiation beam $\mathbf{I}_{\mathbf{x}}$ interacts with the detector, where the modulated radiation is transformed into modulated light – the X-ray image.

