

# CT Scan Principles

## Tomographic reconstruction

Multiple X-ray projections create 3D volume

## Hounsfield units

Standardized tissue density scale

## Spiral/helical CT

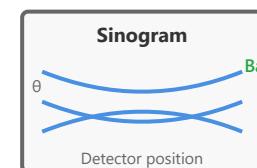
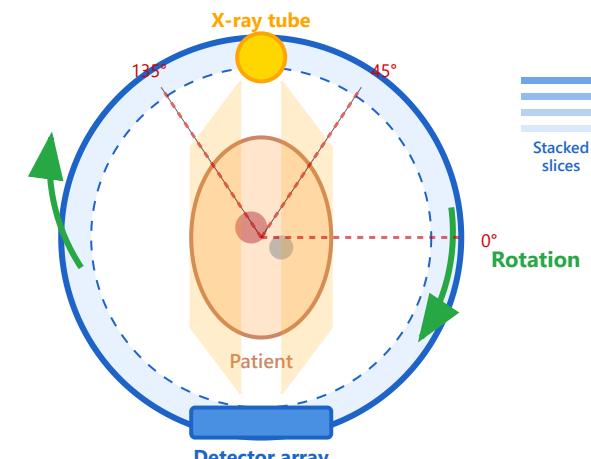
Continuous rotation and table movement

## Dose reduction strategies

Iterative reconstruction, tube modulation

## Contrast protocols

IV contrast timing for specific applications



Hounsfield Units	
Air:	-1000
Fat:	-100
Water:	0
Bone:	+1000