

ADRENAL MASS

64 Toshiba

| | | | | | | |
|-----------------------------------|---|-----------------|-------------------|-----------------|-------------|-------------------|
| Indications | Characterize known adrenal mass (differentiate a met from an adenoma) | | | | | |
| Diagnostic Task | Detect adrenal mass | | | | | |
| Scan mode | Helical | | | | | |
| Position/Landmark | Head or feet first-Supine | | | | | |
| Topogram | AP mA50 kV120 /Lat mA 70 kV120 | | | | | |
| kVp/Reference mass | 120kV average pt 135kV XL pt- Sure Exp 3D(120-550) | | | | | |
| Rotation time/pitch | 0.5\0.828 | | | | | |
| Detector Configuration | 64x0.5 | | | | | |
| Table Speed/Increment | 26.5 | | | | | |
| Dose reduction | Sure Exp 3D | | | | | |
| Allowed CTDI ranges* | 7mGy-50mGy | | | | | |
| XR29 Dose Notification value | 50mGy | | | | | |
| Helical Set #1 NON-Contrast | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd | 2mmx 2mm | 31medium smooth | mediastinum | pac |
| Helical Set #2 75 second delay | recon | body part | thickness spacing | algorithm | | recon destination |
| | 1 | abdomen | 2mmx 2mm | standard | | pac |
| | 2 | sag abdomen | 2mmx2mm | standard | | pac |
| | 3 | coronal abdomen | 2mmx2mm | standard | | pac |
| Helical Set #3 15min Delay | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd | 2mmx 2mm | 31medium smooth | mediastinum | pac |
| | 2 | sag abdomen | 2mmx2mm | standard | | pac |
| | 3 | coronal abdomen | 2mmx2mm | standard | | pac |
| Scan start/end location | 1cm above diaphragm/through superior iliac crest | | | | | |
| FOV | 40cm decrease appropriately | | | | | |
| IV contrast volume/rate | 100ml isovue 370-3cc/sec | | | | | |
| Scan delay | Performed as directed by a the supervising radiologist non-contrast no delay/75seconds/15 minute delay | | | | | |
| oral | water | | | | | |
| | comments: Ask Rad after non contrast if you need to continue exam | | | | | |

| Approximate Values for CTDIvol | | | |
|--------------------------------|------------|-------------|--------------|
| Patient size | weight(kg) | weight(lbs) | CTDIvol(mGy) |
| SMALL | 50-70 | 110-155 | 10-17 |
| AVERAGE | 70-90 | 155-200 | 15-25 |
| LARGE | 90-120 | 200-265 | 22-35 |

NOTE*

*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum

allowed range should not be performed unless approved by a radiologist.

