

# CT Pubic Arch

GE- 8003

Maximum CTDI 75

Indication: Prostate Treatment Planning

Note: Include all soft tissue/skin

PT Prep: Drink 400cc of water 1 hour prior to scan. Do not allow patient to urinate.  
Tape feet together  
IV contrast per MCR contrast dosing guidelines

Series 1: Scouts AP & LAT – Supine “O” at Iliac Crest S20 to I350

Series 2: Helical scan from the lower margin of L5 to the upper margin of the symphysis as seen on the Lateral scout.  
Inject IV contrast per MCR contrast dosing guidelines @ 3cc/sec. **Delay of 80 seconds.**

Technique:

|                         | <b>750 HD (128)<br/>CT2</b>                     | <b>Optima 660 (32)<br/>OVIC</b>                 | <b>Optima 660<br/>CT1</b>                       | <b>VCT (64)<br/>CT3</b>                         |
|-------------------------|---|---|---|---|
| Noise Level             | 15.86   | 11.57   | 11.60   | 11.60   |
| Interval                | 2.5mm   | 2.5mm   | 2.5mm   | 2.5mm   |
| Axial/Helical Thickness | 2.5mm   | 2.5mm   | 2.5mm   | 2.5mm   |
| Pitch                   | 0.984:1   | 0.984:1   | 0.984:1   | 0.984:1   |
| Speed mm/rotation       | 39.37   | 39.37   | 39.37   | 39.37   |
| Detector Rows           |   |   |   |   |
| Detector Configuration  |   |   |   |   |
| Beam Collimation        | 40mm  | 40mm  | 40mm  | 40mm  |
| KV/mA                   | Auto mA – if large pt. use manual & maximize mA | Auto mA – if large pt. use manual & maximize mA | Auto mA – if large pt. use manual & maximize mA | Auto mA – if large pt. use manual & maximize mA |
| Scan Type               | Helical Full 0.7 sec                            | Helical Full 0.7 sec                            | Helical Full 0.7 sec                            | Helical Full 0.7 sec                            |

Series 3: Rescan same area after **240 second delay.**

Networking/ PACs: Send scouts  
Send series 2 and 3 Standard Soft Tissue Algorithm  
Recon and send bone images with bone algorithm  
Recon and send MPR images in standard algorithm  
Record DLP in PACS comments

Original Date: 4-8-04

Approved by: Dr. Songmen, MCR \_\_\_\_\_

Revised Date: 11/9/04, 1/11/10, 12/8/10, 04/17/13,05/15/15, 2/28/18, 07/27/21, 1/30/24