

| CTA PULMONARY                                                                                                                             |                                                 |                                                                                 |             |           |        |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------|-------------|-----------|--------|
| Protocol to Use                                                                                                                           | 5.3 CTPA Bolus Tracker                          |                                                                                 |             |           |        |
| HDI/VDI                                                                                                                                   |                                                 |                                                                                 |             |           |        |
| Patient position:                                                                                                                         | Supine feet first                               |                                                                                 |             |           |        |
| Exam specific instructions:                                                                                                               |                                                 |                                                                                 |             |           |        |
| Indication:                                                                                                                               | Chest pain, SOB, hypoxia, back pain, hemoptysis |                                                                                 |             |           |        |
| Notes:                                                                                                                                    |                                                 |                                                                                 |             |           |        |
| CONTRAST:                                                                                                                                 | Oral:                                           | None                                                                            |             |           |        |
|                                                                                                                                           | IV:                                             | 75mL Omnipaque 350 + 20ml Saline Pre-Flush and 30ml Saline Post-Flush @ 5mL/sec |             |           |        |
|  <b>SERIES 1: Dual Scout</b>                              | <div>GE</div> <div>120kV/10mA</div>             |                                                                                 |             |           |        |
| GE                                                                                                                                        | GE 64 2nd FL                                    | GE 64                                                                           | GE 64 OLY   | GE CTS ER | PET CT |
|                                                                                                                                           | SN S60/I300                                     | SN S60/I300                                                                     | SN S60/I300 |           |        |
|  <b>*Smart Prep* Draw circle ROI on Pulmonary Artery</b>  |                                                 |                                                                                 |             |           |        |
| GE                                                                                                                                        | GE 64 2nd FL                                    | GE 64                                                                           | GE 64 OLY   | GE CTS ER | PET CT |
| On                                                                                                                                        | Active                                          | Active                                                                          | Active      |           |        |
| Dynamic transition                                                                                                                        | Active                                          | Active                                                                          | Active      |           |        |
| Monitor location                                                                                                                          | I50                                             | I50                                                                             | I50         |           |        |
| mA                                                                                                                                        | 40                                              | 40                                                                              | 40          |           |        |
| Monitor delay                                                                                                                             | 3 sec                                           | 3 sec                                                                           | 3 sec       |           |        |
| Monitoring ISD                                                                                                                            | 1.5 sec                                         | 1.5 sec                                                                         | 1.5 sec     |           |        |
| Threshold                                                                                                                                 | 120 HU                                          | 80 HU                                                                           | 80 HU       |           |        |
| Auto localizer                                                                                                                            | Active                                          | Active                                                                          | Active      |           |        |
| Voice message                                                                                                                             | Off                                             | 2 Active                                                                        | 2 Active    |           |        |
| Auto min delay                                                                                                                            | Off                                             | Active                                                                          | Active      |           |        |
|  <b>SERIES 2: *PE* Scan above shoulders to adrenals</b> |                                                 |                                                                                 |             |           |        |
| GE                                                                                                                                        | GE 64 2nd FL                                    | GE 64                                                                           | GE 64 OLY   | GE CTS ER | PET CT |
| Scan Type                                                                                                                                 | Helical                                         | Helical                                                                         | Helical     |           |        |
| Detector Config                                                                                                                           | 40mm                                            | 64x0.625                                                                        | 64x0.625    |           |        |
| Rotation                                                                                                                                  | 0.5                                             | 0.5                                                                             | 0.5         |           |        |
| Pitch/Speed                                                                                                                               | 0.9/39.37                                       | 55                                                                              | 55          |           |        |
| SFOV                                                                                                                                      | Large Body                                      | Large Body                                                                      | Large Body  |           |        |
| kV                                                                                                                                        | 120                                             | 120                                                                             | 120         |           |        |
| mA Range                                                                                                                                  | 100-550                                         | 100-550                                                                         | 75-550      |           |        |
| NI                                                                                                                                        | 21.45                                           | 34                                                                              | 11.5        |           |        |
| Prep Group                                                                                                                                | Smar Prep                                       | Smart Prep                                                                      | Smart Prep  |           |        |
| DFOV (cm)                                                                                                                                 | 36                                              | 35                                                                              | 35          |           |        |
| % Dose Reduction                                                                                                                          | 40                                              | 40                                                                              | 40          |           |        |
| ASIR                                                                                                                                      | 40                                              | 40                                                                              | 40          |           |        |
| CTDI Range (mGy)                                                                                                                          | 14.35                                           | 14.35                                                                           | 14.35       |           |        |
| XR29 Dose Notification                                                                                                                    | 50                                              | 50                                                                              | 50          |           |        |
| Slice (mm)                                                                                                                                | 1.25                                            | 1.25                                                                            | 1.25        |           |        |
| Increment (mm)                                                                                                                            | 1.25                                            | 1.25                                                                            | 1.25        |           |        |

|                   |           |         |            |             |             |
|-------------------|-----------|---------|------------|-------------|-------------|
|                   | RECON1    | RECON 2 | RECON 3    | REFORMAT 1  | REFORMAT 2  |
| Series Descripton | CTPA 1.25 | Lung    | CTPA Thins | MIP Cor 7X2 | Sagittal ST |

|                |              |              |              |             |               |
|----------------|--------------|--------------|--------------|-------------|---------------|
| Type           | Axial        | Axial        | Axial        | Coronal     | Sagtittal     |
| Start          | Apicies      | Apices       | Apices       | Anterior    | Left          |
| End            | Adrenals     | Adrenals     | Adrenals     | Posterior   | Right         |
| Image Order    | Craniocaudal | Craniocaudal | Craniocaudal | Ant to Post | Left to Right |
| Filter         | Standard     | Lung         | Standard     | Standard    | Standard      |
| Windowing      | C40/W350     | C-500/W2000  | C40/W350     | C40/W350    | C40/W350      |
| Render Mode    | Average      | Average      | Average      | MIP         | Average       |
| Slice (mm)     | 1.25         | 2.5          | 0.625        | 7           | 2.5           |
| Increment (mm) | 1.25         | 2.5          | 0.625        | 2           | 2.5           |
| FOV in mm      | 36           | 36           | 36           | 36          | 36            |

|                   |              |                |              |              |
|-------------------|--------------|----------------|--------------|--------------|
|                   | RECON 4      | REFORMAT 3     | REFORMAT 4   | RECON 5      |
| Series Descripton | Thin Lung    | MIP Axial Lung | Coronal Lung | Super D      |
| Type              | Axial        | Axial          | Coronal      | Axial        |
| Start             | Apicies      | Apicies        | Anterior     | Above Chest  |
| End               | Adrenals     | Adrenals       | Posterior    | Adrenals     |
| Image Order       | Craniocaudal | Craniocaudal   | Ant to Post  | Craniocaudal |
| Filter            | Lung         | Lung           | Lung         | Standard     |
| Windowing         | C-500/W2000  | C-500/W2000    | C-500/W2000  |              |
| Render Mode       | Average      | MIP            | Average      | Average      |
| Thickness (mm)    | 0.625        | 7              | 2.5          | 1            |
| Increment (mm)    | 0.625        | 1              | 2.5          | 0.8          |
| FOV in mm         | 36           | 36             | 36           | 36           |

|                                     |
|-------------------------------------|
| Send to PACs                        |
|                                     |
| Approving Radiologist / Review Date |