

| PULMONARY ANGIO w/ ABDOMEN PELVIS                                                                                                                         |                                                           |                                                                            |             |           |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------|-------------|-----------|--------|
| Protocol to Use                                                                                                                                           | 5.10 CTPA/Abd/Pelvis Bolus Tracker                        |                                                                            |             |           |        |
| HDI/VDI                                                                                                                                                   |                                                           |                                                                            |             |           |        |
| Patient position:                                                                                                                                         | Supine feet first                                         |                                                                            |             |           |        |
| Exam specific instructions:                                                                                                                               |                                                           |                                                                            |             |           |        |
| Indication:                                                                                                                                               | Chest pain, pulmonary embolism, back pain, abdominal pain |                                                                            |             |           |        |
| Notes:                                                                                                                                                    |                                                           |                                                                            |             |           |        |
| CONTRAST:                                                                                                                                                 | Oral:                                                     | None                                                                       |             |           |        |
|                                                                                                                                                           | IV:                                                       | 50mL Omnipaque 350 @ 5mL/s followed by 50ml @ 2ml/s<br>+ 30ml Saline Flush |             |           |        |
|  <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/I700                                               | SN S60/I300                                                                | SN S60/I300 |           |        |
|  <b>*Smart Prep* Draw circle ROI on Pulmonary Artery</b>                  |                                                           |                                                                            |             |           |        |
| Smart Prep                                                                                                                                                |                                                           |                                                                            |             |           |        |
| 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                                                                                                                                          | 100                                                       | 150                                                                        | 150         |           |        |
| mA                                                                                                                                                        | 40                                                        | 40                                                                         | 40          |           |        |
| Monitor delay                                                                                                                                             | 3 sec                                                     | 3 sec                                                                      | 3 sec       |           |        |
| Monitoring ISD                                                                                                                                            | 1 sec                                                     | 1.5 sec                                                                    | 1.5 sec     |           |        |
| Threshold                                                                                                                                                 | 80 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 Group 1 (Chest): *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                                                                                                                                               | 1.375/55                                                  | 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                                                                                                                                                | See Smart Prep                                            | Smart Prep                                                                 | Smart Prep  |           |        |
| DFOV (cm)                                                                                                                                                 | 36                                                        | 35                                                                         | 35          |           |        |
| % Dose Reduction                                                                                                                                          | 40                                                        | 40                                                                         | 40          |           |        |
| ASIR                                                                                                                                                      | 40                                                        | 40                                                                         | 40          |           |        |
| CTDI Range (mGy)                                                                                                                                          | 14.35                                                     |                                                                            |             |           |        |
| XR29 Dose Notification                                                                                                                                    | 50                                                        | 50                                                                         | 50          |           |        |

|                   | RECON 1    | RECON 2 | RECON 3    | REFORMAT 1  | REFORMAT 2  |
|-------------------|------------|---------|------------|-------------|-------------|
| Series Descripton | Axial CTPA | 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     | Apicies      |
| 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  | C40/W350     |
| Render Mode       | Average      | MIP            | Average      | Average      |
| Thickness (mm)    | 0.625        | 7              | 2.5          | 1.25         |
| Increment (mm)    | 0.625        | 1              | 2.5          | 0.8          |
| FOV in mm         | 36           | 36             | 36           | 36           |

|  <b>SERIES 2 Group 2 (Abdmen Pelvis): *PE* Scan from above diaphragm to lesser trochanters</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          |           |        |
| Speed                                                                                                                                                                          | 1.375/55     | 55           | 55           |           |        |
| SFOV                                                                                                                                                                           | Large Body   | Large Body   | Large Body   |           |        |
| kV                                                                                                                                                                             | 120          | 120          | 120          |           |        |
| mA Range                                                                                                                                                                       | 100-550      | 75-550       | 75-550       |           |        |
| NI                                                                                                                                                                             | 11.57        | 11.5         | 11.5         |           |        |
| Prep Group                                                                                                                                                                     | 55 sec       | Timed 70 sec | Timed 70 sec |           |        |
| DFOV (cm)                                                                                                                                                                      | 36           | 45           | 45           |           |        |
| % Dose Reduction                                                                                                                                                               | 40           | 40           | 40           |           |        |
| ASIR                                                                                                                                                                           | 40           | 40           | 40           |           |        |
| CTDI Range (mGy)                                                                                                                                                               | 10.27        |              |              |           |        |
| XR29 Dose Notification                                                                                                                                                         | 50           | 50           | 50           |           |        |

|                   | RECON 1            | RECON 4         |
|-------------------|--------------------|-----------------|
| Series Descripton | Axial Abd Pelv     | Lung            |
| Type              | Axial              | Axial           |
| Start             | Above Diaphragm    | Above Diaphragm |
| End               | Lesser Trochanters | Below Diaphragm |
| Image Order       | Craniocaudal       | Craniocaudal    |
| Filter            | Standard           | Lung            |
| Windowing         | C40/W350           | C-500/W2000     |
| Render Mode       | Average            | Average         |

|                |    |     |
|----------------|----|-----|
| Thickness (mm) | 5  | 2.5 |
| Increment (mm) | 5  | 2.5 |
| FOV in mm      | 36 | 36  |

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