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| --- | --- | --- | --- |
| 432 | Brain baby (0-2 years) volume |  | |
| **Purpose:**  Evaluation of mental status changes, hydrocephalus, hemorrhages, tumors, strokes, headaches, infections, seizures, trauma, or post-operative changes. | |
| **Instructions:**  Position the patient head-first. Cover the entire brain from foramen magnum to the vertex angled with the OML. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 4 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 24 gauge | |

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| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 100 | 450 | OFF | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 100 | 450 | OFF | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | Xact+ | F/H | Filters |
| Volume 1 | Ped. Brain | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 5.0/5.0 (Avg.) | | Coronal 5.0/5.0(Avg.) | | - | |

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| --- | --- | --- | --- |
| 433 | Brain baby (3-5 years) volume |  | |
| **Purpose:**  Evaluation of mental status changes, hydrocephalus, hemorrhages, tumors, strokes, headaches, infections, seizures, trauma, or post-operative changes. | |
| **Instructions:**  Position the patient head-first. Cover the entire brain from foramen magnum to the vertex angled with the OML. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 4 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 24 gauge | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 120 | 400 | OFF | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 120 | 400 | OFF | S |

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|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Brain | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 5.0/5.0 (Avg.) | | Coronal 5.0/5.0(Avg.) | | - | |

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| --- | --- | --- | --- |
| 434 | Brain baby (6-12 years) volume |  | |
| **Purpose:**  Evaluation of mental status changes, hydrocephalus, hemorrhages, tumors, strokes, headaches, infections, seizures, trauma, or post-operative changes. | |
| **Instructions:**  Position the patient head-first. Cover the entire brain from foramen magnum to the vertex angled with the OML. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 4 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 24 gauge | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 120 | 400 | OFF | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 120 | 400 | OFF | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Brain | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 5.0/5.0 (Avg.) | | Coronal 5.0/5.0(Avg.) | | - | |

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| 435 | Pediatric sinuses volume |  | |
| **Purpose:**  Evaluation of infection, polyps, tumors, trauma and surgical planning. | |
| **Instructions:**  Position the patient head-first. Scan Cover from Maxillary sinuses through Frontal sinuses angled with the hard palate. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Remove radio-opaque materials from head and neck | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 100 | 100 | OFF | S |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone sharp | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 1.0/1.0 (Avg.) | | Coronal 1.0/1.0(Avg.) | | - | |
| Volume 2 | Ped. body | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 1.0/1.0 (Avg.) | | Coronal 1.0/1.0(Avg.) | | - | |

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| 436 | IAM CHILD volume |  | |
| **Purpose:**  evaluation of infection, tumors and congenital abnormalities of the external auditory canal, middle ear, inner ear, internal auditory canal and course of 7th cranial nerve. | |
| **Instructions:**  Position the patient head-first. Scan Cover from mastoid tip and finish at the top of petrous bone. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Remove radio-opaque materials from head and neck | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 100 | 150 | OFF | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone Sharp | 0.5 SR | 0.5 | On | Full |  |
| MPR | Axial: 0.5/0.5 (Avg.) | | Coronal 0.5/0.5(Avg.) | | --- | |

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| 480 | Neck Child < 15 kg (Volume) |  | |
| **Purpose:**  evaluation of Tumors, vocal cords condition, abscesses, cysts and salivary glands | |
| **Instructions:**  Position the patient head-first. Scan cover from the Thoracic inlet to the skull base. | |
| Dual Scanograms | | 80kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 4 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 24 gauge | |

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 80 | R\*\*\* | <15 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 80 | R\*\*\* | <15 kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Neck | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal: 2.0/2.0 (Avg.) | |
| Volume 2 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full |  |
| MPR | A Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal: 2.0/2.0 (Avg.) | |

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| --- | --- | --- | --- |
| 481 | Neck Child 16-30 kg (Volume) |  | |
| **Purpose:**  evaluation of Tumors, vocal cords condition, abscesses, cysts and salivary glands | |
| **Instructions:**  Position the patient head-first. Scan cover from the Thoracic inlet to the skull base. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 6 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 24 gauge | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly by neck holder. | |
|  | 2 | Maintain patient’s positon through the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 100 | R\*\*\* | 16-30 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 100 | R\*\*\* | 16-30 kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Neck | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal: 2.0/2.0 (Avg.) | |
| Volume 2 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full |  |
| MPR | Axial: 2.0/2.0 (Avg.) | | - | | - | |

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| --- | --- | --- | --- |
| 482 | Neck Child 31-45 kg (HCT) |  | |
| **Purpose:**  evaluation of Tumors, vocal cords condition, abscesses, cysts and salivary glands | |
| **Instructions:**  Position the patient head-first. Scan cover from the Thoracic inlet to the skull base. | |
| Dual Scanograms | | 100kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 6 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV Use (22-20) gauge Depend on the child weight. | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 20 gauge | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 31-45 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 31-45 kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Neck | 0.5 | 0.3 | - | - |  |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal: 2.0/2.0 (Avg.) | |
| Axial 1 | Ped. NECK | 2.0 | 2.0 | - | - | - |
| Axial 2 | Ped. Bone Sharp | 2.0 | 2.0 | - | - | - |

|  |  |  |  |
| --- | --- | --- | --- |
| 483 | Neck Child 45-60 kg (HCT) |  | |
| **Purpose:**  evaluation of Tumors, vocal cords condition, abscesses, cysts and salivary glands | |
| **Instructions:**  Position the patient head-first. Scan cover from the Thoracic inlet to the skull base. | |
| Dual Scanograms | | 120kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  |  | Peripheral IV – Use 24 gauge | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly by neck holder. | |
|  | 2 | Maintain patient’s positon through the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 46-60 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 46-60 kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Neck | 0.5 | 0.3 | - | - |  |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal: 2.0/2.0 (Avg.) | |
| Axial 1 | Ped. NECK | 2.0 | 2.0 | - | - | - |
| Axial 2 | Ped. Bone Sharp | 2.0 | 2.0 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 484 | Neck Child 61 kg (HCT) |  | |
| **Purpose:**  evaluation of Tumors, vocal cords condition, abscesses, cysts and salivary glands | |
| **Instructions:**  Position the patient head-first. Scan cover from the Thoracic inlet to the skull base. | |
| Dual Scanograms | | 120kVp | 10mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use 20 gauge | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly by neck holder. | |
|  | 2 | Maintain patient’s positon through the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 61+ kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 61+ kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Neck | 0.5 | 0.3 | - | - |  |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal: 2.0/2.0 (Avg.) | |
| Axial 1 | Ped. NECK | 2.0 |  | - | - | - |
| Axial 2 | Ped. Bone Sharp | 2.0 |  |  |  |  |

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| 528 | Chest baby <15 kg (HCT) |  | |
| **Purpose:**  Screen for widespread disease of lymphoma, metastatic disease, trauma, pneumonia, pleural effusion, pneumothorax or pneumonia. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire thorax. | |
| Dual Scanograms | | 80kVp | 20mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 4 hours. | |
|  | 2 | Remove radio opaque materials in neck and chest. | |
|  | 3 | Peripheral IV – Use (24-22) gauge Depend on the baby weight. | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly. (Feet first –arms up to the head). | |
|  | 2 | Breathing instruction is required for the examination. (Full inspiration). | |
|  | 3 | No movement during the procedure. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 80 | R\*\*\* | <15 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 80 | R\*\*\* | <15 kg | S |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | |  | |
| VOLUME 2 | Ped. Lung | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| 529 | Chest Child 16-30 kg (HCT) |  | |
| **Purpose:**  Screen for widespread disease of lymphoma, metastatic disease, trauma, pneumonia, pleural effusion, pneumothorax or pneumonia. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire thorax. | |
| Dual Scanograms | | 100kVp | 20mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 6 hours. | |
|  | 2 | Remove radio opaque materials in head and neck. | |
|  | 3 | Peripheral IV – Use (22-20) gauge Depend on the child weight. | |

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly (Feet first –arms up to the head). | |
|  | 2 | Breathing instruction is required for the examination. (full inspiration) | |
|  | 3 | No movement during the procedure. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 16-30 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 16-30 kg | S |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR |  | | Coronal: 3.0/3.0 (Avg.) | |  | |
| Axial 1 | Ped. Body | 3.0 | 3.0 | - | - | - |
| Axial 2 | Ped. Lung | 3.0 | 3.0 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 530 | Chest Child 31-45 kg (HCT) |  | |
| **Purpose:**  Screen for widespread disease of lymphoma, metastatic disease, trauma, pneumonia, pleural effusion, pneumothorax or pneumonia. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire thorax. | |
| Dual Scanograms | | 100kVp | 20mA |

|  |  |  |  |
| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 6 hours. | |
|  | 2 | Remove radio opaque materials in neck and chest. | |
|  | 3 | Peripheral IV – Use (22-20) gauge. Depend on child weight. | |

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly (Feet first –arms up to the head). | |
|  | 2 | Breathing instruction is required for the examination. (Full inspiration). | |
|  | 3 | No movement during the procedure. | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 31-45 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 31-45 kg | S |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR | - | | Coronal: 3.0/3.0 (Avg.) | | - | |
| Axial 1 | Ped. Body | 3.0 | 3.0 | - | - | - |
| Axial 2 | Ped. Lung | 3.0 | 3.0 | - | - | - |

|  |  |  |  |
| --- | --- | --- | --- |
| 531 | Chest Child 46-60 kg (HCT) |  | |
| **Purpose:**  Screen for widespread disease of lymphoma, metastatic disease, trauma, pneumonia, pleural effusion, pneumothorax or pneumonia. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire thorax. | |
| Dual Scanograms | | 120kVp | 20mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in neck and chest. | |
|  | 3 | Peripheral IV – Use (22- 20) gauge. Depend on child weight. | |

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly. (Feet first –arms up to the head). | |
|  | 2 | Breathing instruction is required for the examination. (Full inspiration). | |
|  | 3 | No movement during the procedure. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 46-60 kg | M |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 46-60 kg | M |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR | - | | Coronal: 3.0/3.0 (Avg.) | | - | |
| Axial 1 | Ped. Body | 3.0 | 3.0 | - | - | - |
| Axial 2 | Ped. Lung | 3.0 | 3.0 | - | - | - |

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| --- | --- | --- | --- |
| 532 | Chest Child 60+ kg (HCT) |  | |
| **Purpose:**  Screen for widespread disease of lymphoma, metastatic disease, trauma, pneumonia, pleural effusion, pneumothorax or pneumonia. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire thorax. | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in neck and chest. | |
|  | 3 | Peripheral IV – Use 20 gauge | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Breathing instruction is required for the examination. (Full inspiration). | |
|  | 2 | No movement during the procedure. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 60 + kg | M |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 60 + kg | M |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR | Axial: 3.0/3.0 (Avg.) | | Coronal: 3.0/3.0 (Avg.) | |  | |
| Axial 1 | Ped. Body | 3.0 | 3.0 | - | - | - |
| Axial 2 | Ped. Lung | 3.0 | 3.0 | - | - | - |

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| --- | --- | --- | --- |
| 576 | Abdomen Baby <15 kg (Volume) |  | |
| **Purpose:**  Abdomen pain, trauma, bowel obstruction, complication of hernia pancreatitis, acute vascular compromise, abdominal aneurysm. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire abdomen (from diaphragm to symphysis pubis). | |
| Dual Scanograms | | 80kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 4 hours. | |
|  | 2 | Remove radio opaque materials in chest, abdomen and pelvis. | |
|  |  | Peripheral IV - Use 24 gauge | |

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| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. (Feet first –arms up to the head). | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 80 | R\*\*\* | <15 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 80 | R\*\*\* | <15 kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | - | |

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| --- | --- | --- | --- |
| 577 | Abdomen Child 16-30 kg (HCT) |  | |
| **Purpose:**  Abdomen pain, trauma, bowel obstruction, complication of hernia pancreatitis, acute vascular compromise, abdominal aneurysm. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire abdomen (from diaphragm to symphysis pubis). | |
| Dual Scanograms | | 100kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 6 hours. | |
|  | 2 | Remove radio opaque materials in chest, abdomen and pelvis. | |
|  | 3 | Peripheral IV - Use 22 gauge depend on child weight. | |
|  | 4 | If oral contrast is required, please refer to the “Oral Contrast” section for detailed instructions | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. (Feet first –arms up to the head). | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 16-30 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 16-30 kg | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR | Axial: 3.0/3.0 (Avg.) | | Coronal: 3.0/3.0 (Avg.) | |  | |
| Axial 1 | Ped. Body | 3.0 | 3.0 | - | - | - |

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| --- | --- | --- | --- |
| 578 | Abdomen Child 31-45 (HCT) |  | |
| **Purpose:**  Abdomen pain, trauma, bowel obstruction, complication of hernia pancreatitis, acute vascular compromise, abdominal aneurysm. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire abdomen (from diaphragm to symphysis pubis). | |
| Dual Scanograms | | 100kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in chest, abdomen and pelvis. | |
|  | 3 | Peripheral IV - Use (22-20) gauge depend on child weight. | |
|  | 4 | If oral contrast is required, please refer to the “Oral Contrast” section for detailed instructions | |

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| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. (Feet first –arms up to the head). | |
|  | 2 | The patient should hold still during the procedure. | |
|  | 3 | Steady normal breathing. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 31-45 kg | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 100 | R\*\*\* | 31-45 kg | S |

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|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR |  | | Coronal: 3.0/3.0 (Avg.) | |  | |
| Axial 1 | Ped. Body | | 3.0 | | 3.0 | |

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| --- | --- | --- | --- |
| 579 | Abdomen 46-60 (HCT) |  | |
| **Purpose:**  Abdomen pain, trauma, bowel obstruction, complication of hernia pancreatitis, acute vascular compromise, abdominal aneurysm. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire abdomen (from diaphragm to symphysis pubis). | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation |  |

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| 1 | Nil by mouth for 8 hours. |
| 2 | Remove radio opaque materials in chest, abdomen and pelvis. |
| 3 | Peripheral IV - Use 20 gauge. |
| 4 | If oral contrast is required, please refer to the “Oral Contrast” section for detailed instructions |

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| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly. (Feet first –arms up to the head). | |
|  | 2 | Breathing instruction is required for the examination. (full inspiration) | |
|  | 3 | No movement during the procedure. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 46-60 kg | M |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 46-60 kg | M |

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|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR |  | | Coronal: 3.0/3.0 (Avg.) | |  | |
| Axial 1 | Ped. Body | | 3.0 | | 3.0 | |

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| 580 | Abdomen Child 61+ kg (HCT) |  | |
| **Purpose:**  Abdomen pain, trauma, bowel obstruction, complication of hernia pancreatitis, acute vascular compromise, abdominal aneurysm. | |
| **Instructions:**  Position the patient supine arm up, feet first. Scan Cover the entire abdomen (from diaphragm to symphysis pubis). | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Nil by mouth for 8 hours. | |
|  | 2 | Remove radio opaque materials in neck and chest. | |
|  | 3 | Peripheral IV – Use 20 gauge. | |
|  | 4 | If oral contrast is required, please refer to the “Oral Contrast” section for detailed instructions | |

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| Procedure Outline | | |  |
|  | 1 | Head placed in the provided head set and immobilized properly. (Feet first –arms up to the head). | |
|  | 2 | The patient should hold still during the procedure. (full inspiration) | |
|  | 3 | No movement during the procedure. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 60 + kg | M |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Helical | 0.5X80 | 120 | R\*\*\* | 60 + kg | M |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Body | 0.5 | 0.3 | - | - | - |
| MPR | Axial: 3.0/3.0 (Avg.) | | Coronal: 3.0/3.0 (Avg.) | |  | |
| Axial 1 | Ped. Body | | 3.0 | | 3.0 | |

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| 672 | Extremity <15 |  | |
| **Purpose:**  Evaluation of trauma and injuries, query of bone pathologies. | |
| **Instructions:**  The extremity of interest should be covered for the examination. | |
| Dual Scanograms | | 80kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Remove radio opaque materials. | |

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| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly. | |
|  | 2 | Breathing instruction is not required for the examination. | |
|  | 3 | No movement during the procedure. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 80 | 80 | Off | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 80 | 80 | Off | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| --- | --- | --- | --- | --- | --- | --- |
| Volume 2 | Soft Tissue Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| 673 | Extremity 15-35 kg |  | |
| **Purpose:**  Evaluation of trauma and injuries, query of bone pathologies. | |
| **Instructions:**  The extremity of interest should be covered for the examination. | |
| Dual Scanograms | | 100kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Remove radio opaque materials in chest, abdomen and pelvis. | |

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| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly | |
|  | 2 | Breathing instruction is not required for the examination. | |
|  | 3 | No movement during the procedure. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 100 | 80 | Off | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 100 | 80 | Off | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| --- | --- | --- | --- | --- | --- | --- |
| Volume 2 | Soft Tissue Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| 674 | Extremity 35-45 kg |  | |
| **Purpose:**  Evaluation of trauma and injuries, query of bone pathologies. | |
| **Instructions:**  The extremity of interest should be covered for the examination. | |
| Dual Scanograms | | 100kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Remove radio opaque materials in chest, abdomen and pelvis. | |

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| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly | |
|  | 2 | Breathing instruction is not required for the examination. | |
|  | 3 | No movement during the procedure. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 100 | 100 | Off | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 100 | 100 | Off | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| --- | --- | --- | --- | --- | --- | --- |
| Volume 2 | Soft Tissue sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| 675 | Extremity 46-60 kg |  | |
| **Purpose:**  Evaluation of trauma and injuries, query of bone pathologies. | |
| **Instructions:**  The extremity of interest should be covered for the examination. | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation | | |  |
|  | 1 | Remove radio opaque materials in chest, abdomen and pelvis. | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly | |
|  | 2 | Breathing instruction is not required for the examination. | |
|  | 3 | No movement during the procedure. | |

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|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 120 | 100 | Off | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 120 | 100 | Off | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| --- | --- | --- | --- | --- | --- | --- |
| Volume 2 | Soft Tissue Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

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| --- | --- | --- | --- |
| 676 | Extremity 60+ kg |  | |
| **Purpose:**  Evaluation of trauma and injuries, query of bone pathologies. | |
| **Instructions:**  The extremity of interest should be covered for the examination. | |
| Dual Scanograms | | 120kVp | 20mA |

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| --- | --- | --- | --- |
| Patient Preparation | | |  |
|  | 1 | Remove radio opaque materials in chest, abdomen and pelvis. | |

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| --- | --- | --- | --- |
| Procedure Outline | | |  |
|  | 1 | Ensure the Patient positioned properly | |
|  | 2 | Breathing instruction is not required for the examination | |
|  | 3 | No movement during the procedure. | |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Scan Details | | | | | |
|  | Mode | Beam | kVp | mA | Sure Exp. 3D | FOV |
| Pre Contrast | Volume | 0.5 | 120 | 160 | Off | S |
|  | Volume/Rate: age dependent - Delay: Contrast Volume dependent | | | | | |
| Post Contrast | Volume | 0.5 | 120 | 160 | Off | S |

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| --- | --- | --- | --- | --- | --- | --- |
|  | Recon Details | | | | | |
|  | Kernel | Thickness | Interval | XACT+ | F/H | Filters |
| Volume 1 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Volume 2 | Ped. Bone Sharp | 0.5 | 0.5 | On | Full | - |
| MPR | Axial: 2.0/2.0 (Avg.) | | Coronal: 2.0/2.0 (Avg.) | | Sagittal:2.0/2.0 | |