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| 48 | Soft Tissue Neck |  | |
| **Purpose:**  Evaluation of Tumors, infections, inflammation, neurogenic , congenital and traumatic conditions of head and neck ( paraspinal, larynx , oral cavity nasopharynx, pharynx, salivary glands and cervical lymph nodes , neck muscles and carotid sheaths) | |
| **Instructions:**  Use the image on the right as a guide. | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation |
| * Contrast media preparation is required. * 22G -24G cannula is required. |

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| Scan Details | | | | | | |
| Mode | Beam | Pitch | kVp | mA | Sure Exp. 3D | FOV |
| GG-Helical | 0.5 x 80 | HP Detail | 120 | R\*\*\* | Quality | M |

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| --- | --- | --- | --- |
| Procedure & Reconstruction Details | | | |
| Phase | Coverage | Timing | Reconstructions (mm) |
| Plain | Soft palate to aortic arch | - | |  |  | | --- | --- | | Ax. | 2X2 | | Cor. |  | | Sag. |  | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Volume:** | 50-75cc | **Rate:** | 2.0-3.0cc/s | **Delay:** | 45s | | | |
| Neck +C | Soft palate to aortic arch |  | |  |  | | --- | --- | | Ax. | 2X2 | | Cor. | 3x3 | | Sag. | 3x3 | |

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| Algorithm Details |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Neck | Kernel | FC08 | Filter | AIDR 3D STND | Boost | OFF | OSR | On | |
| Comments |
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| 49 | Cervical Spine |  | |
| **Purpose:**  Evaluation of paraspinal tumors/ Infections and trauma and surgical planning of the Cervical Spine. | |
| **Instructions:**  Use the image on the right as a guide. | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation |
| No preparation is required |

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| Scan Details | | | | | | |
| Mode | Beam | Pitch | kVp | mA | Sure Exp. 3D | FOV |
| W-Volume | 0.5 x 80 | - | 120 | 280 | OFF | M |

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| --- | --- | --- | --- |
| Procedure & Reconstruction Details | | | |
| Phase | Coverage | Timing | Reconstructions (mm) |
| C-Spine | Cranio-vertebral Junction to T1 | - | |  |  | | --- | --- | | Ax. | 1x1 (Spine)(Soft) | | Cor. | 3x3 (Spine) | | Sag. | 3x3 (Spine)(Soft) | |

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| Algorithm Details |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Spine | Kernel | FC35 | Filter | AIDR 3D STND | Boost | OFF | OSR | On | | Soft |  | FC09 |  | AIDR 3D STND |  | OFF |  | On | |
| Comments |
| * Use “SEMAR” version of the protocol when metallic implants are present. * VR and 3D post-processing for all implants is required. |

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| 51 | Carotid CTA (SureSubtraction) |  | |
| **Purpose:**  Examining of pathologies of the carotid artery and branches and that tumors of carotid sheath. | |
| **Instructions:**  Use the image on the right as a guide. | |
| Dual Scanograms | | 120kVp | 20mA |

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| Patient Preparation |
| * Contrast media preparation is required. * 18-20G cannula is required. |

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| Scan Details | | | | | | |
| Mode | Beam | Pitch | kVp | mA | Sure Exp. 3D | FOV |
| Helical | 0.5 x 80 | HP STND | 100 | R\*\*\* | Low Dose | M |
| Helical | 0.5 x 80 | HP STND | 100 | R\*\*\* | Quality | M |

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| --- | --- | --- | --- |
| Procedure & Reconstruction Details | | | |
| Phase | Coverage | Timing | Reconstructions (mm) |
| Plain | Mid forehead to below origins of arch vessels | - | |  |  | | --- | --- | | Ax. | 2X2 | | Cor. | 2x2 | | Sag. |  | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Volume:** | 50cc | **Rate:** | 4-5.0cc/s | **Delay:** | SureStart | | | |
| Carotid CTA | Mid forehead to below origins of arch vessels | Sure  Start | |  |  | | --- | --- | | Ax. | 1x1 | | Cor. | 2x2, 5x1 MIP | | Sag. | 2x2, 5x1 MIP | |

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| Algorithm Details |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Carotid CTA | Kernel | FC43 | Filter | AIDR 3D STND | Boost | OFF | OSR | On | |
| Comments |
| * MIP and curved vessel view required. |

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| 52 | Neck/Chest/Abdomen/Pelvis Non-Staging (-C/+C) |  | |
| **Purpose:**  Screening abscess, infection spread and polytrauma. | |
| **Instructions:**  Use the image on the right as a guide. Cover the entire area from the neck to the pelvis as shown. | |
| Dual Scanograms | | 120kVp | 50mA |

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| Patient Preparation |
| * Contrast media preparation is required. 22G -24G cannula is required. * Give 1.5L water over 90 minutes in equally spaced doses. Give 300-500 ml water on table stat. * If it is acute emergency and there is no time- water contrast may be skipped- proceed directly to scanning. * Discuss with radiologist, if he prefers positive contrast then use same dose regime but with oral iodine based contrast instead of water. |

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| Scan Details | | | | | | |
| Mode | Beam | Pitch | kVp | mA | Sure Exp. 3D | FOV |
| Helical | 0.5 x 80 | HP Fast | 120 | R\*\*\* | Quality | L |

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| --- | --- | --- | --- |
| Procedure & Reconstruction Details | | | |
| Phase | Coverage | Timing | Reconstructions (mm) |
| Plain | Soft palate to below ischium | - | |  |  | | --- | --- | | Ax. | 2x2 (abdomen)(lung) | | Cor. |  | | Sag. |  | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Volume:** | 100-125cc | **Rate:** | 2.0-3.0cc/s | **Delay:** | 55s | | | |
| Brain +C | Soft palate to below ischium | 60s | |  |  | | --- | --- | | Ax. | 2x2 (abdomen) | | Cor. | 3x3 (abdomen) | | Sag. | 3x3 (abdomen) | |

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| Algorithm Details |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Abdomen | Kernel | FC08 | Filter | AIDR 3D STND | Boost | OFF | OSR | On | | Lung |  | FC52 |  | OFF |  | OFF |  | On | |
| Comments |
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| 53 | Neck/Chest/Abdomen/Pelvis Staging (2 Phases) |  | |
| **Purpose:**  Screening metastasis spread, lymphoma. | |
| **Instructions:**  Use the image on the right as a guide. Cover the entire area from the neck to the pelvis as shown. | |
| Dual Scanograms | | 120kVp | 50mA |

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| --- |
| Patient Preparation |
| * Contrast media preparation is required. 22G -24G cannula is required.\*\* * Give 1.5L water over 90 minutes in equally spaced doses. Give 300-500 ml water on table stat. * If it is acute emergency and there is not time- water contrast may be skipped- proceed directly to scanning. Discuss with radiologist, if he prefers positive contrast then use same dose regime but with oral iodine based contrast instead of water. Discuss need of contrast enema. |

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| Scan Details | | | | | | |
| Mode | Beam | Pitch | kVp | mA | Sure Exp. 3D | FOV |
| Helical | 0.5 x 80 | HP Fast | 120 | R\*\*\* | Quality | L |

|  |  |  |  |
| --- | --- | --- | --- |
| Procedure & Reconstruction Details | | | |
| Phase | Coverage | Timing | Reconstructions (mm) |
| Plain | Soft Palate to below ischium | - | |  |  | | --- | --- | | Ax. | 2x2 (abdomen)(lung) | | Cor. |  | | Sag. |  | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Volume:** | 100-125cc | **Rate:** | 3.0-4.0cc/s | **Delay:** | See below | | | |
| Late Arterial | Soft Palate to iliac crest | 35s | |  |  | | --- | --- | | Ax. | 2x2 (abdomen) | | Cor. |  | | Sag. |  | |
| Portal Venous | Above diaghragm to below ischium | 60s | |  |  | | --- | --- | | Ax. | 2x2 (abdomen) | | Cor. | 3x3 (abdomen) | | Sag. | 3x3 (abdomen) | |

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| Algorithm Details |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Abdomen | Kernel | FC08 | Filter | AIDR 3D STND | Boost | OFF | OSR | On | | Lung |  | FC52 |  | OFF |  | OFF |  | On | |
| Comments |