

# Liver 4 phase+Pelvis Siemens GO

|                              |   |            |             |              |         |             |
|------------------------------|---|------------|-------------|--------------|---------|-------------|
| Indications                  | New liver lesion with hx of hepatocellular dysfunction or cirrhosis, New HCC, Baseline Cirrohsis, f/u HCC status post TACE or ablation, F/u met disease post ablation |            |             |              |         |             |
| Diagnostic Task              | Detect masses, abscess  |            |             |              |         |             |
| Scan mode                    | Helical   |            |             |              |         |             |
| Position/Landmark            | 2cm superior to xiphoid/Inspiration   |            |             |              |         |             |
| Topogram                     | AP 110kV 15mA   |            |             |              |         |             |
| kVp/Reference mass           | 130kv 99mas   |            |             |              |         |             |
| Rotation time/pitch          | 0.8/0.8   |            |             |              |         |             |
| Detector Configuration       | 32x0.7  |            |             |              |         |             |
| Table Speed/Increment        | 17.92   |            |             |              |         |             |
| Dose reduction               | CareDose 4D   |            |             |              |         |             |
| Allowed CTDI ranges*         | 7mGy-50mGy  |            |             |              |         |             |
| XR29 Dose Notification value | 50mGy   |            |             |              |         |             |
| Helical Set #1<br>noncon     |   |            | body        | thickness    |         | recon       |
|                              | recon   | part       | spacing     | kernel       | window  | destination |
|                              | 1   | abd        | 2mmx 2mm    | Br40         | abdomen | pacs        |
| Helical Set #2<br>40sec      |   |            | body        | thickness    |         | recon       |
|                              | recon   | part       | spacing     | kernel       | window  | destination |
|                              | 1   | abd        | axial       | 2mmx 2mm     | Br40    | abdomen     |
|                              | 2   | abd        | Cor         | 2mmx 2mm     | Br40    | abdomen     |
|                              | 3   | abd        | Sag         | 2mmx 2mm     | Br40    | abdomen     |
|                              |   |            | 2mmx 2mm    | Br40         | abdomen | pacs        |
| Helical Set #3<br>70sec      |   |            | body        | thickness    |         | recon       |
|                              | recon   | part       | spacing     | kernel       | window  | destination |
|                              | 1   | abd/pel    | axial       | 2mmx 2mm     | Br40    | abdomen     |
|                              | 2   | abd/pel    | Cor         | 2mmx 2mm     | Br40    | abdomen     |
|                              | 3   | abd/pel    | Sag         | 2mmx 2mm     | Br40    | abdomen     |
|                              |   |            | 2mmx 2mm    | Br40         | abdomen | pacs        |
| Helical Set #4<br>5min       |   |            | body        | thickness    |         | recon       |
|                              | recon   | part       | spacing     | kernel       | window  | destination |
|                              | 1   | abd        | axial       | 2mmx 2mm     | Br40    | abdomen     |
|                              | 2   | abd        | Cor         | 2mmx 2mm     | Br40    | abdomen     |
|                              | 3   | abd        | Sag         | 2mmx 2mm     | Br40    | abdomen     |
|                              |   |            | 2mmx 2mm    | Br40         | abdomen | pacs        |
| Scan start                   | 1cm superior to diaphragm   |            |             |              |         |             |
| End location                 | NC,40sec and 5min delay-iliac crest///// 70sec lesser trochanters   |            |             |              |         |             |
| IV contrast volume/rate      | 75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec  |            |             |              |         |             |
| Scan delay                   | Performed as directed by a supervising radiologist  |            |             |              |         |             |
|                              | non con/40sec-arterial/ 70sec-venous/5min   |            |             |              |         |             |
|                              | WITH WATER PREP AND IV CONTRAST   |            |             |              |         |             |
|                              | Approximate values for CTDIvol  |            |             |              |         |             |
|                              | Patient size  | weight(kg) | weight(lbs) | CTDIvol(mGy) |         |             |
|                              | SMALL   | 50-70      | 110-155     | 10-17        |         |             |
|                              | AVERAGE   | 70-90      | 155-200     | 15-25        |         |             |
|                              | LARGE   | 90-120     | 200-265     | 22-35        |         |             |

NOTE:

\*The AAPM recommended NEMA XR29 Dose Notification value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum

allowed range should not be performed unless approved by a radiologist.

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