SUPPLEMENTARY DATA

**Supplementary Table S1. Patient characteristics of all patients with percutaneous radiofrequency ablation for a solitary colorectal liver metastasis.**

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  | *n* |  |
| **total** |  | 29 |  |
| **age** | mean (SD) | 63.9 | ±11.4 |
| **sex** | male | 19 | 66% |
| female | 10 | 34% |
| **previous CRLM surgery** | yes | 11 | 38% |
| no | 18 | 62% |
| **occurrence of CRLM** | metachronous | 13 | 45% |
| synchronous | 16 | 55% |
| **year of RFA** | 2009-2011 | 12 | 41% |
| 2012-2014 | 17 | 59% |
| **lesion size (mm)** | median (range) | 21 | 8-42 |
| **follow-up (months)** | mean (SD) | 38.4 | ±19.5 |
| **survival** | death | 5 | 27% |

CRLM: colorectal liver metastasis

RFA: radiofrequency ablation

**Supplementary Table S2. CT scanning protocol**

Technique of Acquisition and Reconstruction:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Serie** | **kVp** | **Sure Expo Protocol** | **Delay pi (s)** | **Rot (s)** | **HP** | **Sure IQ – Reconstruction** |
| Scano  | 120 | 50/100 | - | - | - | Scano LD |
| Blanco  | 120 | Q1 | - | 0.5 | 65 | Abdo / Stand |
| Testing | 100 | 50 | - | 1.0 | - | - |
| Perfusion | 100 | 100 | - | 0.5 | - | Body Perfusion |
| S&V | 120 | 40 | - | 0.5 | - | Abdo / Smooth |
| Sure Start | 120 | 80 | - | 0.5 | - | Abdo / Smooth |
| Late arterial | 120 | Q1 | SS +15 | 0.5 | 65 | Abdo / Stand |
| Portal venous | 120 | Q1 | SS + 50 | 0.5 | 65 | Abdo / Stand |
| Delayed  | 120 | Q1 | 200 | 0.5 | 65 | Abdo / Stand |

Scan position:

|  |  |  |
| --- | --- | --- |
| **Serie** | **Starting position** | **Final position** |
| Scano  | Symphysis pubis | Highest diaphragm |
| Blanco  | Highest diaphragm | Lower edge liver |
| Testing | Mid liver | - |
| Perfusion | Tumor | - |
| S&V | Highest diaphragm | - |
| Sure Start | Aorta abdominalis | - |
| Late arterial | Highest diaphragm | Lower edge liver |
| Portal venous | Highest diaphragm | Lower edge symphysis pubis |
| Delayed  | Highest diaphragm | Lower edge liver |

Archiving:

* Raw data to tapestreamer
* Dual scan
* Axial series 5mm/2.5mm
* Axial series 1mm/1mm