

**Table S1.** Patient demography, ablation temperature, tumor size and localization in patients with residual tumor/local tumor progression compared with those with complete ablation and no local tumor progression. .

| <b>Incomplete ablation or local tumor progression (N)</b> | <b>Yes (n = 38)</b> | <b>No (n = 121)</b> |
|---|---------------------|---------------------|
| Median Age (Range)  | 72 (44–89)          | 73 (35–86)          |
| Male/Female   | 22/16               | 83/36               |
| ASA-score (median)  | 2.7 (1–4)           | 2.5 (1–4)           |
| Body Mass Index (median)                                  | 26.0                | 26.7                |
| % of patients with<br>ablation temperature > 65° C        | 73 %                | 92 %                |
| Proximity to the<br>collecting system < 4 mm              | 50 %                | 24 %                |
| % of patients with tumor size > 3 cm                      | 50%                 | 26%                 |