

**Table SI.** Parameters for abdominal ultrasound Philips EPIQ 5 machine<sup>a</sup>.

| Index name                              | MI       | TIS (scan) | TIC   |
|-----------------------------------------|----------|------------|-------|
| Maximum exponential values              | 1.34     | 0.36       | 2.25  |
| Correlation sound parameters            |          |            |       |
| $P_{r,a}$                               | 2.20     | /          | /     |
| P                                       | /        | 25.97      | 25.97 |
| z value of the maximum Ipi, $\alpha$    | 2.08     | /          | /     |
| fawf                                    | 2.7      | /          | /     |
| Other information                       |          |            |       |
| $t_d$                                   | 0.63     | /          | /     |
| prf                                     | 1,006.00 | /          | /     |
| $p_r$ value of the maximum Ipi          | 2.7      | /          | /     |
| $d_{eq}$ value of the maximum Ipi       | /        | /          | /     |
| $I_{pa,\alpha}$ value of the maximum MI | 242.64   | /          | /     |
| Operation control conditions            |          |            |       |
| B focus/color sampling point, cm        | 2.0      | 7.0        | 7.0   |
| Show depth, cm                          | 23       | 23         | 23    |
| Acoustic power, %                       | 100      | 100        | 100   |
| Color PRF, Hz                           | 6628     | 4481       | 5012  |
| B service frequency                     | Pen      | Gen        | Pen   |
| C service frequency                     | Pen      | Gen        | Pen   |

<sup>a</sup>Philips Medical Systems, Inc. MI, mechanical index; TIS, soft tissue heat index; TIC, cranial tissue heat index;  $P_{r,a}$ , peak-value sparse sound pressure after attenuation; P, output power; Ipi, pulse sound strength integral; fawf, acoustic working frequency;  $t_d$ , pulse duration; prf, pulse repetition frequency;  $p_r$ , peak sparse sound pressure;  $d_{eq}$ , equivalent sound beam diameter;  $I_{pa,\alpha}$ , pulse average sound intensity; PRF, pulse recurrence frequency; Pen, penetration; Gen, general.