

Table S2 Summary of AEs related to the use of the device JC

| Disease | Case | Adverse event | Incidence |
|------------------|------|---|----------------------|
| <i>Malignant</i> | | | |
| Liver | 1156 | Skin burn 420 | 53.29% (616/1156) |
| | | Chest wall injury 2 | |
| | | Vertebra injury 4 | |
| | | Supraventricular tachycardia 8 | |
| | | Hydropericardium 2 | |
| | | Hypertension 8 | |
| | | Cholecystitis 5 | |
| | | Intrahepatic cholangiectasis 5 | |
| | | ALT/AST elevation 66 | |
| | | Gastroenteric dysfunction 15 | |
| | | Tumor rupture 2 | |
| | | Rupture of esophageal varices 1 | |
| | | Lung embolism 2 | |
| | | Hydrothorax 57 | |
| | | Pneumonodema 1 | |
| | | Asthma 2 | |
| | | Hematuria 8 | |
| | | Creatine elevation 2 | |
| | | Renal failure 1 | |
| | | High fever 4 | |
| Death 1 | | | |
| Pancreas | 129 | Skin burn 16 | 23.26% (30/129) |
| | | Vertebra burn 2 | |
| | | Amylase elevation 6 | |
| | | Jaundice aggravation 1 | |
| | | Gastrointestinal dysfunction 4 | |
| Bone | 204 | Occlusion of the superior mesenteric artery 1 | 21.57% (44/204) |
| | | Skin burn 9 | |
| | | Nerve injury 14 | |
| | | Fracture 10 | |
| | | ALP elevation 5 | |
| | | Tumor rupture 1 | |
| | | Infection 2 | |
| | | Epiphyseal separation 1 | |
| | | Hemoglobinuria 1 | |
| | | Death 1 | |
| Breast | 99 | Skin burn 15 | 15.15% (15/99) |

| | | | |
|--|------|--|--------------------|
| Soft tissues | 45 | Skin burn 1 Cutaneous necrosis 4 Nerve injury 3 | 17.78% (8/45) |
| Kidney | 4 | | |
| Chest/abdomen wall metastasis | 41 | Skin burn 16 Skin numb 3 Bowel perforation 1 Dyspnea 1 | 51.22% (21/41) |
| Intraperitoneal recurrence/metastasis | 15 | Skin burn 15 Skin numb 5 Occlusion of the superior mesenteric artery 1 Bowel perforation 1 Gastrointestinal dysfunction 13 Hypertension 2 ALT/AST elevation 2 Creatine elevation 1 Hematuria 2 | 280% (42/15) |
| Seminal vesicle | 1 | Skin burn 1 | 100% (1/1) |
| Unspecified | 84 | Skin burn 7 Hydrothorax 3 Bowel perforation 2 | 14.29% (12/84) |
| | 1778 | 789 | 44.38% |
| <i>Benign</i> | | | |
| Uterine fibroid/ adenomyoma | 389 | Skin burn 27 Vertebra burn 23 Nerve injury 21 Severe abdomen pain 15 Hematuria 3 | 22.88% (89/389) |
| Breast fibroadenoma | 128 | | |
| Fibroma | 1 | Limb necrosis 1 Hemoglobinuria 1 | 200% (2/1) |
| | 518 | 91 | 17.57% |
| Total | 2296 | 880 | 38.33% |