



Supplementary Figure 1. An example image of the patient who experienced local failure. The patient who had a 1.0 cm HCC in right hepatic dome (A, arterial phase; B, portal phase of liver dynamic CT before SBRT; yellow arrow) received 45 Gy in three fractions of SBRT (C, D). An isodose level of 95%, 80%, 60%, 40%, and 20% lines are drawn with a number. Gross tumor volume (red line) and planning target volume (pink line) contours are also shown (C, D). At 3 months after SBRT, only radiation change was seen without residual tumor in the follow-up liver dynamic CT and judged as to achieve complete response (E, arterial phase; F, portal phase; yellow triangles). After 37 months completing SBRT, tumor re-growth was seen around the treated area and considered as local tumor progression (G, arterial phase; H, portal phase; yellow triangles).