



Supplementary Fig. 1. A patient with stage 4 pancreatic cancer. A fully covered self-expandable metal stent was placed (A). One day later, an abdominal X-ray showed that the stent was almost fully dilated and was straightened to change the shape of the bile duct (B). Six months later, the stent was migrated distally. Another patient with stage 4 pancreatic cancer received a woven hook and cross-structured fully covered self-expandable metal stent (C). One day later, an abdominal radiograph showed slight dilation of the stent but less change in the shape of the bile duct (D).