



**Figure S1** Pathological pictures of cyst wall tissue after fenestration of liver cyst in case 1 3 years ago. (A,B) The cyst wall presents fibrous tissue proliferation with hyaline degeneration and calcification, and chronic inflammatory cell infiltration can be seen locally; (C) the inner wall of the cyst is locally lined with a single layer of squamous epithelium, with normal epithelial cell morphology and no atypia; (D) residual normal hepatocytes and bile canaliculi can be seen around the cyst wall. Scale bar: 500  $\mu\text{m}$ .