

**Figure S1. Graphic illustration of the incisional hernia model.** (A) A 5 cm skin paramedian incision was made at the left side of abdomen using a sterile scalpel; (B) skin was dissected to expose the underlying abdominal fascia; (C,D) a 1.5 x 1.5 cm defect of anterior abdominal wall was created by the complete resection of abdominal layers; (E) suture of mesh (2.0 x 2.0 cm) to the remaining muscle of the abdominal wall with interrupted suture and also with simple running suture all over the borders; (F) the skin was closed with intradermal suture.

