

PRODUCT

An endoscopic knife which can be articulated at the tip.

INDICATION

Endoscopic submucosal dissection (ESD).

VALUE PROPOSITION

- Allows the surgeon to move the knife without moving the endoscope.

DEVELOPMENT STAGE

- Prototypes tested in ex vivo tissue

INTELLECTUAL PROPERTY

Pending patent application in US (17/738,257) and PCT.

CONTACT INFORMATION

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e-KNIFE FOR ENDOSCOPIC SUBMUCOSAL DISSECTION (ESD)

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PROBLEM/OPPORTUNITY

There are many benefits to ESD, but it has not been widely adopted in the West. To improve adoption, ESD needs to be easier, less risky, and more time efficient. Today, the movement of the knife in ESD is controlled only by moving the endoscope (*analogous to cutting with a finger controlled at the shoulder joint*). Creating a means to articulate the knife tip will drastically improve control (*analogous to creating a finger joint to sweep 180°*).

SOLUTION/PRODUCT

An endoscopic tool platform used through the working channel of an endoscope with an articulating tip that can incorporate a knife, snare, grasper, etc.

