

<b>Products</b>	Padlock Clip® defect closure system
<b>Procedural Area</b>	Hemostasis
<b>Article</b>	Gastrotomy Closure with the Lock-It System and the Padlock-G clip: A Survival Study in a Porcine Model
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<b>Purpose</b>	This study aimed to determine whether a gastrotomy can be closed safely and effectively from within the stomach in a survival model by using a novel, endoscopically placed device: Padlock Clip® defect closure system.
<b>Key Points</b>	<ul style="list-style-type: none"> <li>• This pilot study was conducted with 4 porcine models in an animal laboratory setting.</li> <li>• Gastrotomies were made in the stomachs of laboratory swine, and the abdomen was explored by using a standard gastroscope.</li> <li>• Gastrotomies were then closed by using the Padlock Clip® defect closure system.</li> <li>• All animals thrived, ate normally, and gained weight.</li> <li>• Closure-site inspection at necropsy revealed excellent healing, with epithelial growth over the Padlock Clip® defect closure system.</li> <li>• There were no ulcers, serosal surfaces were tightly closed, and no defects could be seen.</li> <li>• There were no signs of peritoneal inflammation, intra-abdominal adhesions, or gastric spillage.</li> <li>• Histologic evaluation showed organizing granulation tissue with fibrosis, vascular proliferation, and mild chronic inflammatory infiltrate (i.e., scar).</li> </ul>
<b>Conclusions</b>	The Padlock Clip® defect closure system is easy to place, provides a durable closure, and allows survival animals to thrive without adverse complication. This device provides a suitable closure system for transgastric NOTES.
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