CURRENT POSTGRADUATE STUDENT

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PROGRAM	PhD in Surgery	
DATE OF REGISTRATION	1 August 2019	
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FIELD OF RESEARCH / INTENDED THESIS TITLE	Mesenchymal Stem-Cell-Derived exosomes prevent esophageal stricture after ESD	
KEYWORDS FOR RESEARCH	Endoscopic submucosal dissection (ESD); Esophageal stricture; Mesenchymal Stem Cell	

RESEARCH STUDY:

Endoscopic submucosal dissection (ESD) for GI neoplasms has been widely accepted in past decades. However, it often causes postoperative stricture, especially when more than 3/4 of the circumference of the esophagus is dissected, thereby lowering quality of life for patients. Currently there is no satisfactory method to prevent stricture after ESD.
At present, mesenchymal stem cells (MSCs) have been proved their potential to improve damaged tissues by the secretion of exosome containing a variety of growth factors and anti-inflammatory molecules.
Thus, the aim of my study was to examine the effect of exosome obtained from MSCs culture on the prevention of esophageal stricture after ESD and to investigate the underlying mechanisms.

CONFERENCE TITLE / ABSTRACT / POSTER:

1. Lai H, Huang J, Xu Y, Zhang J, Chen Z, Xi F, et al. Association between patient characteristics and magnetically controlled capsule endoscopy findings. Saudi journal of gastroenterology : official journal of the Saudi Gastroenterology Association. 2018;24(3):189-95.
2. Lai H, Lin N, Xing Z, Weng H, Zhang H. Association between the level of circulating adiponectin and prediabetes: A meta-analysis. Journal of diabetes investigation. 2015;6(4):416-29.
3. Lai HS, Wang XK, Cai JQ, Zhao XM, Han ZL, Zhang J, et al. Standing-type magnetically guided capsule endoscopy versus gastroscopy for gastric examination: a multicenter blinded comparative trial. Digestive endoscopy : official journal of the Japan Gastroenterological Endoscopy Society. 2019.