

## מחקרים קליניים בתחום אי ספיקת מעי/מעיי קצר

### 1/ Intestinal dysmotility after bowel resection in rats is associated with decreased ghrelin and vimentin expression and loss of intestinal cells of Cajal.

Sukhotnik I, Ben-Shahar Y, Pollak Y, Cohen S, Moran-Lev H, Koppelman T, Gorenberg M. Am J Physiol Gastrointest Liver Physiol. 2020 Dec 16. doi: 10.1152/ajpgi.00223.2020. Online ahead of print. PMID: 33325807

### 2/Anti-TNF- $\alpha$ Therapy Exerts Intestinal Anti-inflammatory and Anti-apoptotic Effects After Massive Bowel Resection in a Rat.

Sukhotnik I, Ben-Shahar Y, Pollak Y, Cohen S, Guz-Mark A, Shamir R. J Pediatr Gastroenterol Nutr. 2021 Jan 1;72(1):49-55. doi: 10.1097/MPG.0000000000002876. PMID: 32740515

### 3/ The role of intermediate filaments in maintaining integrity and function of intestinal epithelial cells after massive bowel resection in a rat.

Sukhotnik I, Shahar YB, Pollak Y, Dorfman T, Shefer HK, Assi ZE, Mor-Vaknin N, Coran AG. Pediatr Surg Int. 2018 Feb;34(2):217-225. doi: 10.1007/s00383-017-4192-2. Epub 2017 Oct 17. PMID: 29043445

### 4/Activated Notch signaling cascade is correlated with stem cell differentiation toward absorptive progenitors after massive small bowel resection in a rat.

Sukhotnik I, Coran AG, Pollak Y, Kuhnreich E, Berkowitz D, Saxena AK. Am J Physiol Gastrointest Liver Physiol. 2017 Sep 1;313(3):G247-G255. doi: 10.1152/ajpgi.00139.2017. Epub 2017 Jun 15. PMID: 28619728

### 5/Accelerated intestinal epithelial cell turnover after bowel resection in a rat is correlated with inhibited hedgehog signaling cascade.

Sukhotnik I, Dorfman T, Halabi S, Pollak Y, Kreizman Shefer H, Coran AG, Berkowitz D. Pediatr Surg Int. 2016 Dec;32(12):1133-1140. doi: 10.1007/s00383-016-3969-z. Epub 2016 Sep 19. PMID: 27644702

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### 7/ The role of the BMP signaling cascade in regulation of stem cell activity following massive small bowel resection in a rat.

Sukhotnik I, Berkowitz D, Dorfman T, Halabi S, Pollak Y, Bejar J, Bitterman A, Coran AG. Pediatr Surg Int. 2016 Feb;32(2):169-74. doi: 10.1007/s00383-015-3829-2. Epub 2015 Oct 27. PMID: 26503340

### 8/Wnt/ $\beta$ -catenin signaling cascade down-regulation following massive small bowel resection in a rat.

Sukhotnik I, Roitburt A, Pollak Y, Dorfman T, Matter I, Mogilner JG, Bejar J, Coran AG. *Pediatr Surg Int.* 2014 Feb;30(2):173-80. doi: 10.1007/s00383-013-3447-9. PMID: 24363087

[9/Dietary supplementation with vitamin D stimulates intestinal epithelial cell turnover after massive small bowel resection in rats.](#)

Hadjittofi C, Coran AG, Mogilner JG, Pollak Y, Matter I, Sukhotnik I. *Pediatr Surg Int.* 2013 Jan;29(1):41-50. doi: 10.1007/s00383-012-3205-4. PMID: 23114406

[10/TGF- \$\beta\$  affects enterocyte turnover in correlation with TGF- \$\beta\$  receptor expression after massive small bowel resection.](#)

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[14/Nutritional supplementation with transforming growth factor-beta inhibits intestinal adaptation after massive small bowel resection in a rat.](#)

Sukhotnik I, Mogilner JG, Ben Lulu S, Bashenko Y, Shaoul R, Chemodanov E, Coran AG. *Pediatr Surg Int.* 2011 Feb;27(2):211-6. doi: 10.1007/s00383-010-2774-3. PMID: 21046122

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Shamir R, Kolacek S, Koletzko S, Tavori I, Bader D, Litmanovitz I, Flidel-Rimon O, Marks KA, Sukhotnik I, Shehadeh N. *J Pediatr Gastroenterol Nutr*. 2009 Jul;49(1):108-11. doi: 10.1097/MPG.0b013e31819344db. PMID: 19503001

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