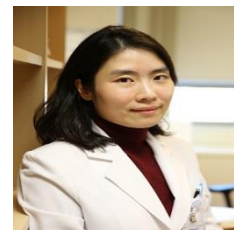


Metabolic improvement after bariatric/metabolic surgery.

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Abstract

Bariatric surgery has been evolved as metabolic surgery, since it reduces body weight as well as ameliorates metabolic complications. In clinical and preclinical observations, hyperglycemia can be robustly and immediately improved after metabolic surgery. Low calorie intake and reducing insulin resistance are main contributing factors for this immediate improvement of hyperglycemia. Furthermore, induction of L-cell hormones such as glucagon-like peptide-1 (GLP-1) and peptide YY (PYY) have beneficial roles for both glucose homeostasis and weight loss. Recently, bile acid metabolism and gut microbiota were suggested to be important contributors in metabolic improvement in bariatric/metabolic surgery. Bariatric/metabolic surgery has been proved its superiority of glycemic control compared with intensive medical treatment.

Speaker Publications:

1. Butyrate Attenuated Fat Gain through Gut Microbiota Modulation in Db/Db Mice Following Dapagliflozin Treatment, December 2019
2. Association between Body Fat and Diabetic Peripheral Neuropathy in Middle-Aged Adults with Type 2 Diabetes Mellitus, June 2019
3. Dynamic Adaptive Changes of the Ileum Transposed to the Proximal Small Intestine in Rats, March 2019
4. Effect and Mechanisms of Diabetes Resolution According to the Range of Gastric Resection and the Length of Anastomosis in Animal Models: Implication for Gastric Cancer Surgery in Patients with Diabetes Mellitus, September 2018
5. Ileal Transposition Decreases Plasma Lipopolysaccharide Levels in Association with Increased L Cell Secretion in Non-obese Non-diabetic Rats, June 2016

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Biography:

Prof. Tae Jung Oh has completed her PhD and endocrinology training from Seoul National University and Seoul National University Hospital. She is an assistant professor of endocrinology and metabolism department in Seoul National University Bundang Hospital since 2015. She has published more than 50 papers in reputed journals and a member of Korea Diabetes Association, Korean Endocrine Society, and Korean Society for the Study of Obesity.