



INTESTINAL ADAPTATION AND CLINICAL NUTRITION IN SURGERY



INTRODUCTION

The research group Intestinal Adaptation and Clinical Nutrition in Surgery of the Department of Surgery, Midwifery and Gynaecology, Faculty of Medicine, is specialized in postoperative clinical nutrition and adaptation of the intestinal tract in order to improve the quality of life of the patients; the group has a strong experience in research and teaching. A specialty of the group is laparoscopic surgery in the context of obesity (Laparoscopic surgery is a novel technique of minimal invasive surgery, which allows to avoid large incisions resulting in less postoperative pain and shorter convalescence.). Thus, this kind of surgeries coupled with a technique called one-anastomosis gastric bypass (BAGUA) are applied to reductions of the stomach and the intestines helping patients to achieve a weight loss of up to 80%.

RESEARCH TOPICS

- Intestinal adaptation and clinical nutrition in surgery.
- Postoperative immunosuppression and clinical nutrition.
- Cost effectiveness through the application of laparoscopy in abdominal repairs.
- Obesity surgery.
- Endosurgery personal training simulator (SEPEC) for educating the skills in laparoscopic surgery with medical students.

SCIENTIFIC-TECHNICAL SERVICES

- Obesity surgery through laparoscopy (one-anastomosis gastric bypass (BAGUA)).
- Research about physiopathological consequences of general and particularly intestinal obesity surgery.
- Organization of seminars and congresses on obesity surgery.
- Basic laparoscopic skills training and single incisional laparoscopic surgery (SILS) training. Obesity surgery through laparoscopy (one-anastomosis gastric bypass (BAGUA)).

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