

Department of Surgery B Beilinson Campus

Head - S. Lelcuk, M.D., Associate Professor of Surgery

Staff:

I. Nudelman, M.D. - Senior Lecturer
H. Gutman, M.D. - Senior Lecturer
M. Rubin, M.D. - Senior Lecturer
M. Stein, M.D. - Instructor
O. Madhala, M.D.

Description

The Department of Surgery B provides state-of-the-art general surgical care . It runs general surgery clinics at Beilinson Campus as well as outpatient clinics in Tel Aviv (Zamenhof), Ramat Gan, Richon -Lezion, and Herzelia. The department is a referral center for hepatobiliary disease, breast, melanoma, and soft tissue tumors, and gastrointestinal and nutritional disorders. and a specialist in minimal invasive surgery. Besides cholecystectomies, the department performs morbid obesity band gastroplasty, hernia repairs, colon resections, diaphragmatic hernia repairs, gastroesophageal, pancreatic and gastric surgery.

The caseload of the department is tremendous. Collaboration with the urology, ear, nose and throat, plastic surgery and gynecology departments has led to better care of patients with problems that require multidisciplinary expertise. In some cases, this has enabled very sophisticated procedures not done previously in Israel.

Academic and Research Activities

As an academic department, we teach surgical residents and students. Teaching rounds, journal club meetings, pathology and X-ray reviews and gastrosurgical meetings are conducted weekly, and students and residents actively participate in patient care under direct senior surgeon observation.

Research is a major part of the departmental activity; the main areas of interest at present are:

1. Fatty acid metabolism marked with C13 stable isotope in humans.
2. Use of the titanium metallic ring for gastrointestinal anastomosis.
3. Crystallization of hepatic bile with cryoelectron microscopy.

List of Publications

H. Spivak, I. Nudelmann, V. Fuko, M. Rubin, S. Lelcuk.
Laparoscopic extraperitoneal inguinal hernia repair with spinal anesthesia and nitrous oxide insufflation.
Endosc Surg, 13:1026-1-29, 1999

I. Nudelmann, V. Fuko, S. Morgenstern, S. Lelcuk.
Gastrointestinal anastomosis with the nickel titanium double ring with temperature-dependent memory shape. Experimental study in dogs.
World J Surg, 24:874-877, 2000

N. Wasserberg, J. Schachter, E. Fenig, M. Feinmesser, H. Gutman.
Applicability of the Sentinel Node Technique to Merkel Cell Carcinoma.
Dermatologic Surg, 26:1-4, 2000

M. Rubin, A. Moser, N. Vaserberg, F. Grief, Y. Levi, H. Spivak, Y. Ziv, S. Lelcuk.
Structured Triacylglycerol Emulsion, Containing both Medium and Long-Chain Fatty Acids, in Long-Term Home Parenteral Nutrition: A double blind cross-over study.
Nutrition, 16:95-100, 2000

FM. Konikoff, D. Danino, D. Weihs, M. Rubin, Y. Talmon.
Microstructural evolution of lipid aggregates in nucleating model and human biles visualized by cryogenic transmission electron microscopy.
Hepatology, 31:261-268, 2000

R. Ben Abraham, R. Yaalom, Y. Kluger, M. Stein, A. Weinbroum, G. Paret
Problematic Intubation in Soldiers: Are There Predisposing Factors?
Mil Med 165(2):111-113, 2000

Y. Barkana, M. Stein, A. Scope, R. Maor, Y. Abramovitch, Z. Friedman, N. Knoller
Prehospital stabilization of the cervical Spine for penetrating injuries of the neck – Is it necessary ?
Injury, 31(5):305-309, 2000

M. Rubin, R. Pakula, F.M. Konikoff
Microstructural analysis of bile: relevance to cholesterol gallstone pathogenesis.
Histology and Histopathology, 15:761-770, 2000

M. Shimonov, M. Rubin
Metastatic breast tumors imitating primary colonic malignancies. Israel
Medical Association Journal, 2:863-864, 2000

R. Ben Abraham, R. Yaalom, Y. Kluger, M. Stein, A. Weinbroum, G. Paret
Problematic Intubation in Soldiers: Are There Predisposing Factors?
Mil Med 165(2):111-113, 2000

- Y. Barkana, M. Stein, A. Scope, R. Maor, Y. Abramovitch, Z. Friedman, N. Knoller
Prehospital stabilization of the cervical Spine for penetrating injuries of the neck – Is it necessary ?
Injury, 31(5):305-309, 2000
- R. Ben Abraham, A.A. Weinbroum, Y. Kluger, M. Stein, Z. Barzilay, G. Paret
Pediatricians and the advanced trauma life support (ATLS): Time for reconsideration?
Isr Med Assoc J, 2(7):513-516, 2000
- U. Martinowitz, J.B. Holcomb, A.E. Pusateri, M. Stetin, N. Onaca, M. Freidman,
J.M. Macaitis, D. Castel, U. Hender, J.R.Hess
Intravenous rFVIIa administered for hemorrhage control in hypotensive coagulopathic swine with grade V liver injuries.
J Trauma, 50(4):721-729, 2001
- A.S. Finestone, Y. Bar-Dayan, Y. Wolf, M. Stein, J. Tearosh, Y. Zaide, D. Mankuta,
A Eldad, P. Benedek
Diagnostic medical auxiliary equipment in a field hospital: experience from the Israeli delegation to the site of the Turkish earthquake at Adapazari.
Mil Med, 166(7):637-40, 2001
- B. Brenner, G. Marshak, E. Rakovski, J. Shvero, A. Sulkes, H. Gutman
Laryngeal Carcinoma – Epidemiological and Clinical Features: Experience of the Rabin Medical Center in Israel.
Oncol Reports, 8:141-4, 2001
- H. Gutman, K.A. Hess, J. Kokotsakis, M.I. Ross, V.J. Guinnee, C.M. Balch.
Surgery for Abdominal Metastases of Cutaneous Melanoma.
World J Surg, 25(6): 750-8, 2001
- E. Fenig, B. Brenner, A. Katz, J. Sulkes, M. Lapidot, J. Schachter,
H Malik, A. Sulkes, H. Gutman
Topical Biafine (and Lipiderm) for the Prevention of Radiation Dermatitis. A Randomized Prospective Trial.
Oncol. Reports, 8: 305-9, 2001
- H. Gutman, A. Laish, D. Risin, N.R. Pellis.
Locomotion of Lymphocytes Towards TNF Treated Melanoma Cells in a Syngeneic In- Vitro Model.
Int J Molec Med, 8:199-203, 2001
- M. Rubin, S. Benschetrit, H. Lustigman, S. Lelcuk, H. Spivak.
Laparoscopic gastric banding for morbid obesity: two steps technique may improve outcome.
Obesity Surgery, 11:315-317, 2001

- I. Nudelman, V. Fuko, S. Lelcuk
Colonic anastomosis with the Nickel-Titanium temperature-dependent memory shape device (used in humans).
Am J Surg, 183:697-701, 2002
- M. Berman, I Nudelman, S. Lelcuk.
The percutaneous transhepatic cholecystectomy - effective treatment of acute cholecystitis in high-risk patients.
Image, 4:1-4, 2002
- M. Manisterski, I. Nudelman, S Lelcuk, M. Rubin.
Minimal invasive surgery for gastric cancer.
Harefuah, 5:422-424, 2002
- H. Gutman, J. Schachter, E. Stopel, R. Gutman, J. Lahav
Impaired Platelet Aggregation in Melanoma Patients Treated with INF- α -2b Adjuvant Therapy.
Cancer, 94:780-5, 2002
- M. Feinmesser, J. Schachter, A. Tobar, J. Sulkes, H. Gutman, N. Kruk, E. Okon
Relationship of Tumorigenic Malignant Melanomas to Dermal Elastin: an expression of tumor/stromal interaction that may be related to prognosis
Am J Dermatopathol, 24:108-17, 2002
- N. Wasserberg, S. Morgenstern, J. Schachter, E. Fenig, S. Lelcuk, H. Gutman
Risk Factors for Lymph Node Metastases in Breast Ductal Carcinoma In-Situ with Minimal Invasive Component.
Arch Surg, 137(11):1249-52, 2002
- E. Fenig, M. Szyper-Kravitz, R. Yerushalmi, M. Lahav, E. Beery, L. Wasserman, H. Gutman, J. Nordenberg.
Basic Fibroblast Growth Factor Mediated Growth Inhibition in Breast Cancer Cells is Independent of RAS Signaling Pathway.
Oncology Reports, 9:875-8, 2002
- K. Peleg, H. Reuveni, M. Stein
Earthquake disasters – Lessons to be learned.
Isr Med Assoc J, 4(5):361-365, 2002
- N. Wasserberg, S. Morgenstern, J. Schachter, E. Fenig, S. lelcuk, H. Gutman.
Risk Factors for Lymph Node Metastases in Breast Ductal Carcinoma In-Situ with Minimal Invasive Component.
Arch Surg (in press, 2002)
- T. Menes, S Morgenstern, J. Schachter, E. Fenig, S. Lelcuk, H. Gutman.
Primary Squamous Cell Carcinoma of the Breast
American J. Clinical Oncology (Accepted 2002)

M. Manisterski, I. Nudelman, M. Rubin
Minimally invasive surgery for gastric cancer.
Harefuah, 141:422-423, 2002

M. Rubin H. Spivak
Prospective study of 250 patients undergoing laparoscopic gastric banding (LAP-BAND)
using the two-step technique – a technique to prevent postoperative slippage.
Surgical Endoscopy, 2003

H. Spivak, M. Rubin
LAP-BAND system for morbid obesity: Laparoscopic management of slippage.
Obesity Surgery, 2003

J. Schachter, B. Brenner, E. Fenig, R. Gutman, A. Sulkes, H. Gutman
Pattern of Failure in Patients with Malignant Melanoma Treated with High-Dose
INF- α -2b in the Adjuvant Setting.
Melanoma Research, 13:93-96, 2003

Y. Schindel, M. Stein
Right gastroepiploic artery stab wound presenting as massive hemothorax; A
diagnostic dilemma.
Isr Med Assoc J (accepted for publication) 2003