



Giulio Carcano

 UNIVERSITY OF INSUBRIA



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Contact data

Full Professor of General Surgery

Department of Surgical Sciences

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Biography

Prof. Giulio Carcano was born in Varese on April 15, 1958

Qualifications and awards

Liceo Classico "E. Cairoli" in Varese: high school degree on 1976-77

Degree in Medicine at University of Pavia on 1982-83 with a final evaluation of 110/100 cum laude.

From 1980 to 1983 Prof. Carcano worked as internal student in the Division of General Surgery, Hospital of Circolo-Varese as a staff physician from 1983 to 1985. In 1985-86 he worked in the Division of Neurology- Hospital of Circolo-Varese as staff physician.

In the period between 1987 and 1989 he attended the Department of Surgical Pathology III, University of Pavia, Faculty of Medicine in Varese.

Specialty on General Surgery at University of Pavia on 1987-88, title of specialization thesis "Evaluation of gravity of acute pancreatitis with surgical implications" with a final evaluation of 50/50.

Specialty on Vascular Surgery at University of Milano on 1992-93, title of specialization thesis "Aneurisms of visceral arteries", with a final evaluation of 70/70.

Since August 2001 Prof. Carcano has been a Full Professor of General Surgery.

In his career Prof. Carcano attended several congresses and symposia, in many of them as a speaker and lecturer; he also collected some awards, including, in 1989 - Italian Society of Surgery: "Radio-immuno-guided surgery, operation for two synchronous tumors of colon with liver metastases in 1994" - Italian Society of Surgery: "Repeated hepatectomies for recurrent liver metastases from colo-rectal cancer"

He attended to more than 3,600 surgical operations in elective surgery and in emergency, about gastro-intestinal tract, thoracic surgery, laparoscopic surgery and endocrine gland surgery. He performed as first surgeon about 1,200 surgical operations.

Research interests

Prof. Carcano is involved as a Full Professor in several clinic research studies on surgical techniques, new technologies and surgical pathology. He also attends research activity in the Department of General Surgery I- Directed by Prof. Renzo Dionigi.

These are some of his principal sites of interest:

- Use of mechanical staplers in pancreatic surgery
- New technologies in hepatic surgery
- Physiopathology of atherosclerotic lesions
- New technologies in laparoscopic surgery
- Neoplastic markers of pancreatic tumors
- Loco-regional and metastatic diffusion of colon carcinoma in relationship with the localization of the tumor itself
- Liver regeneration after hepatectomy using different techniques of vascular hilar clamp: role of O₂ free-radicals
- New technologies in thyroid surgery

Teaching experience and appointments

Prof. Carcano teaches many different courses in the School of Medicine at the University of Insubria; he is clinical lecturer in general surgery, thoracic surgery, geriatric surgery and emergency surgery. He also gives lectures to nurses, obstetrics and physiotherapists.

He is a guide for medical students for preparation of degree thesis, and for residents of general and thoracic surgery specialization school for specialization thesis

Prof. Carcano did his didactic activity, from 1990 up to now, c/o School of Medicine at the University of Insubria.

Teacher in 'Geriatric Surgery' course for students of the School of Medicine in 2002-2003

Teacher in 'Emergency Surgery' course for students of the School of Medicine in 2003-2004

Teacher in General Surgery Specialization School, University of Insubria, from 2001

Teacher in Thoracic Surgery Specialization School, University of Insubria, from 2001

Teacher in Diseases of Respiratory Tract Specialization School, University of Insubria, from 2001

Teacher in Gastroenterology Specialization School, University of Insubria, from 2001

Teacher in Medical Genetic Specialization School, University of Insubria, from 2001

Teacher in Obstetric and Gynecology Specialization School, University of Insubria, from 2002

Teacher in Heart Surgery Specialization School, University of Insubria,

Representative publications

from 2002

Books and chapters of books

Wounds

(In coll. con: R. Dionigi)

Ed. MASSON, 1998 - ISBN 88-214-2384-0

Surgery

B.E. Jarrel, R.A. Carabasi

Curatore della traduzione italiana, in coll. con: R. Dionigi

Ed. MASSON, 1998 - ISBN 88-214-2427-8

Principle of surgical technique

(In coll. con: R. Dionigi)

Ed. MASSON, 1999 - ISBN 88-214-2462-6

Radio-immuno-guided surgery in liver resections for metastases

(In coll. con: Dionigi R., Benevento A., Galozzi R., Bianchi M.)

"La chirurgia resettiva epatica" di V. Rovati, Ed. MEDIAMIX; Cap. 20; pgg. 289-300.

New Devices in Liver Resections

(In coll. con: Benevento A., Dionigi R.)

"New Technologies for Liver Resection", edited by Renzo Dionigi and Juan R. Madariaga. 1997 Karger Landes Systems; pgg. 1-16.

Principle of surgical technique

(In coll. con: Dominioni L., Benevento A., Castelli P., Gastaldi L.)

"Chirurgia" di R. Dionigi, III ediz.; Ed. MASSON, 2002; pgg. 63-83.

Medical therapy in surgical patients

(In coll. con: Interdonato P.F.)

"Chirurgia" di R. Dionigi, III ediz.; Ed. MASSON, 2002; pgg. 211-215.

Thyroid

(In coll. con: Dionigi R.)

"Chirurgia" di R. Dionigi, III ediz.; Ed. MASSON, 2002; pgg. 319-335.

Pancreas

(In coll. con: Dionigi R., Besozzi M.C.)

"Chirurgia" di R. Dionigi, III ediz.; Ed. MASSON, 2002; pgg. 686-723.

Critical periferical ischemia

(In coll. con: Castelli P., Interdonato P.F.)

"Chirurgia" di R. Dionigi, III ediz.; Ed. MASSON, 2002; pgg. 985-990.

Scientific publications

1. A new Hand-Held Gamma Detecting Probe for Intraoperative use: Its Limits and Applications. (In coll. con: Roncari G., Benevento A., Conte L., Garancini S., Bianchi L.). The Journal of Nuclear Medicine and Allied Sciences, Official Publication of the Italian Society for Nuclear Biology and Medicine. Minerva Medica, Vol. 34, Nr. 3; pgg. 220-221, 1990. (IT)

2. Intraoperative radioimmunodetection of colo-rectal cancer using monoclonal antibody B72.3 labelled with ¹²⁵I. (In coll. con: Benevento A., Dominioni L., Lovisolo J., Riva C., Giuliani F., Roncari G. and Dionigi R.). *Surg. Res. Comm.* 1990, Vol. 9:4; pgg. 249-258.
3. Radioimmunoguided surgery for resection of liver metastasis. (In coll. con: Benevento A., Dominioni L., Dionigi R.). *J. R. Coll. Surg. Edinb.*, Vol. 35, October 1990, pgg. 321-322.
4. Intra-arterial infusion of Lipiodol-epirubicina for the treatment of non-resectable liver metastases. (In coll. con: Dominioni L., Benevento A., Bianchi M., Babare R., Dionigi R.). *Chirurgia*, Vol. 4, n. 6; pgg. 308-313, giugno 1991. Edizioni Minerva Medica. (IT)
5. Acute phase response after laparoscopic and open cholecystectomy. (In coll. con: Dominioni L., Benevento A., Chiappa A., Dionigi R.). *Br. J. Surg.*, Vol. 80, Suppl., September 1993, pgg. 44-45.
6. Visceral artery aneurisms. (In coll. con: Castelli P., Chiappa A., Interdonato P.F., Caronno R., Bianchi M., Dionigi R.). *Hepato-Gastroenterology*, Vol. III, Suppl. 1, 1993: 292.
7. The Treatment of Pancreatic Stump. (In coll. con: Dionigi R., Colombo L., Bianchi M., Benevento A., Chiappa A.). In: *What's New on Pancreatic Disease*. Ed. GM. Gazzaniga. George Thieme Verlag, 1994; pgg. 173-176.
8. Resection of segments III and IV with Hemihepatic vascular occlusion for Hepatocarcinoma in Cirrhotic Liver. (In coll. con: Dionigi R., Dominioni L., Benevento A., Cuffari S., Interdonato P.F., Festi L.). *Hepato-Gastroenterology* 40 (1993) (Suppl. 1); pgg. 5-10.
9. Role of B72.3 iodine ¹²⁵-labeled monoclonal antibody in colorectal cancer detection by radioimmunoguided surgery. (In coll. con: Di Carlo V., Badellino F., Stella M., De Nardi P., Fazio F., Percivale P., Bertoglio S., Schenone F., Benevento A., Dominioni L., Dionigi R.). *Surgery*, Volume 115, Number 2, February 1994; pgg. 190-198.
10. Effects of Surgical Trauma of Laparoscopic vs. Open Cholecistectomy. (In coll. con: Dionigi R., Dominioni L., Giudice G., Cuffari S., Benevento A., Bordone N., Caravati F., Gennari R.). *Hepato-Gastroenterol.* 41 (1994); pgg. 471-476.
11. Efficacy of Octreotide in Preventing Complications Related to Elective Pancreatic Surgery. (In coll. con: Pederzoli P., Bassi C., Falconi M., Camboni M.G., and the Italian study group, including Dionigi R.). *British Journal of Surgery*, 1994, 81, 265-269.
12. Sequential treatment of infected pancreatic necrosis with zipper abdominal re-exploration, open abdomen and continuous lavage. (In coll. con: Dominioni L., Chiappa A., Interdonato P.F., Festi L., Bianchi V., Frattini V., Peloni G., Dionigi R.). *Br. J. Surg.*, 83: 863-864, 1996.
13. Sonographic features of liver metastases from pancreatic

glucagonoma and acinar cell carcinoma. (In coll. con: Ferrari A., Gavinelli M., Dominioni L., Dionigi R.). Surg Endosc, 10:762-764, 1996.

14. Infected pancreatic necrosis complicated by multiple organ failure. (In coll. con: Dominioni L., Chiappa A., Bianchi V., Interdonato P.F., Festi L., Benevento A., Dionigi R.). Hepato- Gastroenterology 44: 968-974, 1997.

15. Intraoperative localization of gut endocrine tumors with radiolabeled somatostatin analogs and a gamma-detecting probe. (In coll. con Benevento A., Dominioni L., Dionigi R.). Semin. Surg. Oncol. 1998; 15: 239-244.

16. Standard Versus Extended Lymphadenectomy Associated With Pancreatoduodenectomy in the Surgical Treatment of Adenocarcinoma of the Head of the Pancreas. A Multicenter, Prospective, Randomized Study. (In coll. con: Pedrazzoli S., Di Carlo V., Dionigi R., Mosca F., Pederzoli P., Pasquali P., Klöppel G., Dhaene K., Michelassi F.). Annals of Surgery, Vol. 228, N. 4, ottobre 1998; pgg. 508-517.

17. Finger palpation for identification of small pulmonary nodules undergoing video-assisted thoracoscopic (VATS) resection (In coll. con Imperatori A., Rovera F., Dionigi G., Dominioni L.). Cardiovascular Engineering 2002; 7(1):30.

18. Idiopathic sclerosing encapsulating peritonitis: a case report (In coll. con Rovera F., Boni L., Dionigi G., Uccella L., Dionigi R.). Chirurgia Italiana, Vol. 55 – n. 4, pgg. 605-608, 2003.

19. The mesenteric and antimesenteric location of colorectal cancer: The relationship with lymph node metastases (In coll. con Benevento A., Boni L., Dionigi G., Capella C., Capriata G., Casula G., Dettori G., Dionigi R.). Surg J R Coll Surg Edinb Irel 2: 4, 214-220, 2004.

20. Ten year survey of postoperative infections after colorectal surgery. (In coll. con Uccella L., Rovera F., Imperatori A., Dionigi G., Frattini F.) Surgical Infections, Vol. 6 N. 1 Spring 2005.

Clinical interests

Prof. Carcano is an active member of the surgical staff of the Department of Surgical Sciences at the University of Insubria (Chief: Prof. R. Dionigi).

Loco-regional therapy of primary liver tumors and of liver non-resectable metastasis

Radiofrequency of liver tumors

Radio-immuno-guided surgery

Linfadenectomy in duodenocefalopancreasectomy for pancreatic carcinoma

Intraperitoneal chemotherapy for treatment of gastro-intestinal tract
Early diagnosis of lung tumors

Surgical treatment of stage I lung cancer

Detection and treatment of small lung nodules

Mini-invasive video-thoracoscopy for pulmonary and pleuric diseases