

Surgical Oncology

1. Staffs and Students

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	Tsuyoshi ODA,	Akifumi KIKUCHI,
	Shunsuke TSUKAMOTO,	Yoshitake FUJIMORI,
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2. Purpose of Education

Main objective of surgical oncology in the graduate course is to provide students with opportunity to study oncology in order to become the well-rounded surgeon who has international and scientific feelings.

3. Research Subjects

- 1) Role of Cox-2 and VEGF in growth of solid tumor and angiogenesis
- 2) Identification of predictive factors for chemo-responsiveness and prognosis in cancer by molecular biological technique.

4. Clinical Services

Surgical oncology clinic performs less invasive operation for cancer of stomach, colon and rectum, and breast with new devices including laparoscope, thereby allowing physiological and neurological functions to be preserved. Moreover, treatment with chemotherapeutic agents for cancer is also conducted.

5. Publications

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 9. Akbari H, Kosugi Y, Kojima K. Segmentation of Arteries in Minimally Invasive Surgery Using Change Detection. *IEICE T Inf Syst.* 92-D(3): 498-505, 2009
 10. Kawano T, Nishikage T, Kawada K, Nakajima Y, Kojima K, Nagai K. Subcutaneous reconstruction using ileocolon with preserved ileocolic vessels following esophagectomy or in esophageal bypass operation. *Dig Surg.* 26: 200-204, 2009
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