

# Study of fiberscope guided direct operation for ventricular tachycardia

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# 1988 Fiscal Year Final Research Report Summary

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## Study of fiberscope quided direct operation for ventricular tachycardia

Research Project

### Project/Area Number

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62570634

### Research Category

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Grant-in-Aid for General Scientific Research (C)

### Allocation Type

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Single-year Grants

### Research Field

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Thoracic surgery

### Research Institution

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University of Kanazawa

### Principal Investigator

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### Co-Investigator(Kenkyū-buntansha)

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### Project Period (FY)

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1987 - 1988

### Keywords

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ventricular tachycardia / fiberscope duided / endocardial mapping / レーザ / マイクロ波 / 高周波

### Research Abstract

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In our institute 43 patients had mapping-guideed direct operation for malignant ventricular tachycardia. After direct operation using incision, excision and/or cryoablation, 4 patients were died of-cardiac failure. To obtained safer operative procedure, intraoperative mapping-guided beam ablation throgh fiberscope was examined experimentarily. Three methods using YAG laser, miorowave, and radiofrequency wave were examined in dogs. This study demonstrated the technical viability and safey of the fiberscope-guided direct surgery. Intraoperative epicardial ultrasonography can be helpful in making decision of proper laser ablation size. Both endocardial mapping and ablatin was possible without ventriculotomy. This new method will be an acceptable approach in clinical patient in future.

## Research Products (9 results)

All Other

All Publications (9 results)

[Publications] 三崎拓郎: 日本胸部外科学会雑誌. 36. 1245-1249 (1988)



[Publications] 三崎拓郎: 日本胸部外科学会雑誌. 37. 34-39 (1989)



[Publications] 三崎拓郎: マイクロウェーブ・サージェリー. 6. 105-108 (1988)



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[Publications] Misaki Takuro: "Surgical management of non-ischemic ventricular tachycardia" T.Iwa and G.Fontaine, 1-385 (1988)



[Publications] Takuro Misaki: "Surgical treatment for nonischemic ventricular tachycardia arising from left ventricular apex" Jap J of Thorac Cardiovasc Surg. 36. 31-35 (1988)



[Publications] Takuro Misaki: "Surgical treatment for non-ischemic ventricular tachycardia arising from left posterior ventricular septum" Cardiac Pacing. 4. 393-398 (1989)



[Publications] Go Watanabe; Takuro Misaki: "Left ventricular performance before after ventriculotomy and removal of the left ventricular aneurysm" Jap J of Thorac Cardiovasc Surg. 37. 34-39 (1989)



[Publications] Takashi Iwa; Takuro Misaki: Surgical management of non-ischemic ventricular tachycardia. 271-292 (1988)



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