

# 学位論文の要旨

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<p>主論文の題名</p> <p>Efficacy of linear block at the left atrial roof in atrial fibrillation</p> <p>主論文の要旨</p> <p>After extensive encircling of ipsilateral pulmonary vein isolation (EEPVI) for atrial fibrillation (AF), we sometimes observe AF recurrence, or atrial tachycardia originating from the left atrium (LA). This study examined the efficacy of additional linear ablation at the LA roof in combination with EEPVI to prevent arrhythmia.</p> <p>This study included 104 patients with drug-refractory AF (75 with paroxysmal, 29 with persistent). The patients in Group A (n=70) underwent EEPVI alone, and the patients in Group B (n=34) underwent linear ablation at the LA roof in addition to EEPVI.</p> <p>At 1, 3, 6, and 12 months after ablation, patients underwent clinical review and 24-h ambulatory electrocardiography. Follow-up included daily transtelephonic electrocardiograms. At 12 months, 57% of Group A and 79% of Group B were free of arrhythmias (<math>p&lt;0.05</math>). Cox regression analysis demonstrated that among the variables of age, sex, duration of AF, types of AF (paroxysmal or persistent), LA size, ejection fraction, existence of hypertension, ischemic heart disease, valvular heart disease, history of stroke, and the ablation technique, only the LA roof ablation is the independent predictor of arrhythmia-free recovery after ablation.</p> <p>EEPVI in combination with the LA roof ablation is associated with an improved clinical outcome compared with EEPVI alone.</p>			

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