Intraoperative Hypotension Caused by Oral Administration of 5-Aminolevulinic Acid for Photodynamic Diagnosis in Patients with Bladder Cancer

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Oral 5-ALA for use in PDD-TURBT

---approved as an health insurance adaptation (Dec 2017).

We experienced some cases who were suffered from intraoperative hypotension after oral 5-ALA intake.

**Purpose**

To prove that hypotension occurs by oral intake of 5-ALA.

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5-ALA: 5-aminolevulinic acid
PDD: Photodynamic diagnosis
TURBT: Transurethral resection of bladder tumor
SBP in PDD group was significantly lower!

General anesthesia
Regular RAS inhibitor use
risk of hypotension
(Multivariate analysis)

SBP: Systolic blood pressure
RAS: Renin-angiotensin system