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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

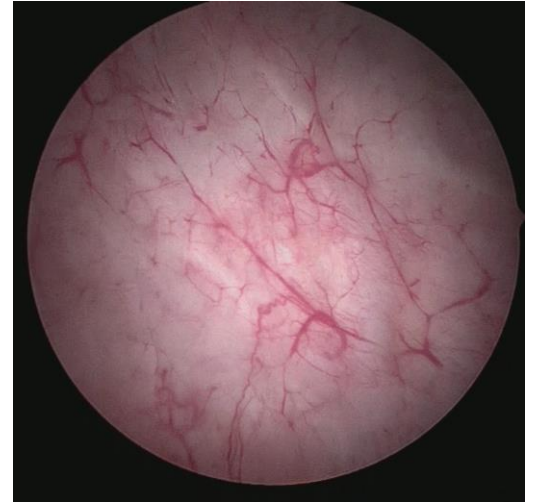
To prove that hypotension occurs by oral intake of 5-ALA.

5-ALA: 5-aminolevulinic acid

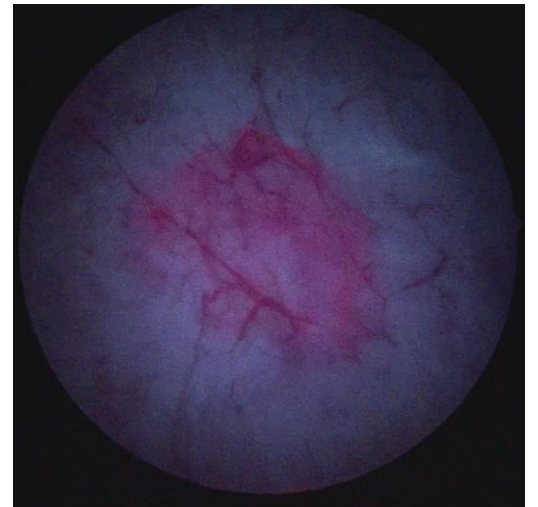
PDD: Photodynamic diagnosis

TURBT: Transurethral resection of bladder tumor

WL



PDD



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

Figure 2. The chronological SBP change in both groups.

