# MP01-18 High performance of 5-aminolevulinic acid induced fluorescent urine cytology for detecting urothelial carcinoma

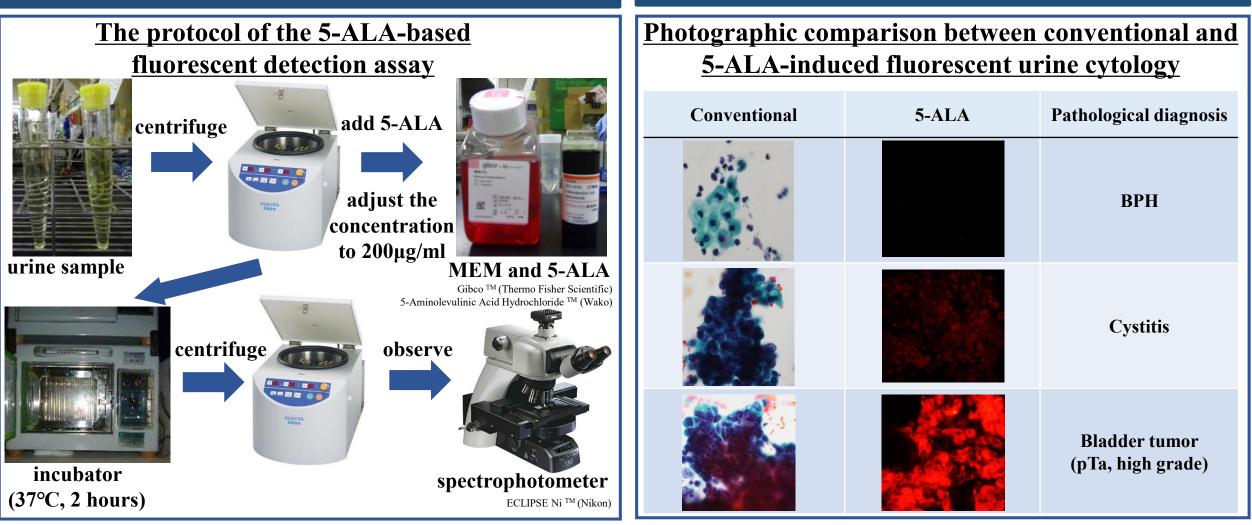
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#### **Backgrounds** & objectives

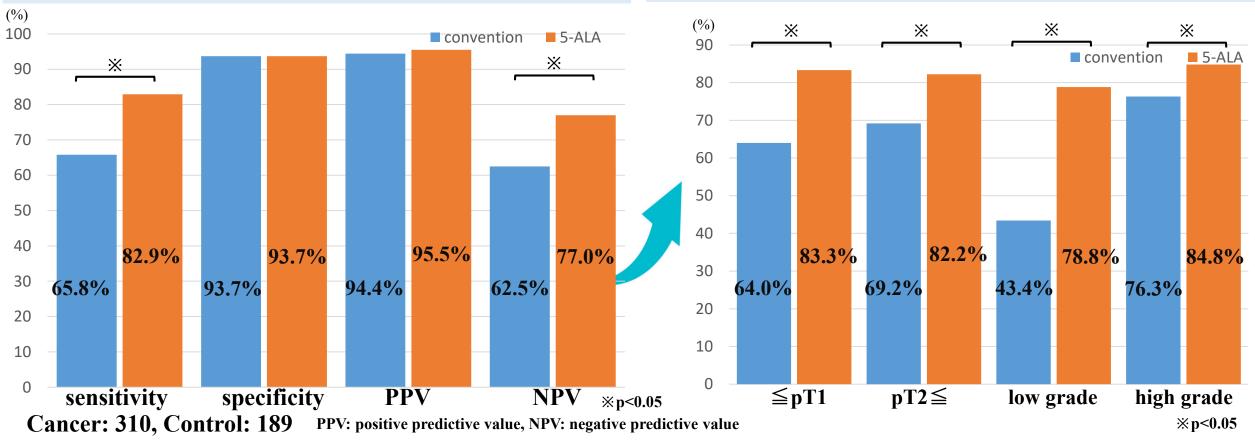
- Urine cytology has low sensitivity and is often limited in clinical use.
- We investigated the utility of 5-aminolevulinic acid (5-ALA) induced fluorescent urine cytology for detecting urothelial carcinoma (UC).

**Results 1** 

### **Materials & Methods**



#### **Results 2**



Comparison of sensitivity, specificity, PPV and NPV

#### Comparison of sensitivity in pT stage and tumor grade

5-ALA-induced fluorescent urine cytology was more sensitive than conventional urine cytology and equally high specific.

## Conclusions

• 5-ALA-induced fluorescent urine cytology was more sensitive than conventional urine cytology, regardless of pT stage and tumor grade and equally high specific.