

Longitudinal Study on Patient-Reported Outcomes in Patients Under Active Surveillance for Low-Risk Papillary Thyroid Carcinoma: Mitigating Anxiety Over Time

The World's Congress of Surgery

International Surgical Week

<u>Hiroko Kazusaka</u>, Masaomi Sen, Marie Saitou, Ryuta Nagaoka and Iwao Sugitani

Department of Endocrine Surgery, Nippon Medical School, Tokyo, Japan



(uala Lumpur, Malaysia

25-29 August 2024

isw2024.org

Introduction

In our previous cross-sectional study¹, low-risk papillary thyroid carcinoma (PTC)



patients under active

surveillance (AS) experienced
lower anxiety compared to those
who underwent immediate
surgery (IS).

- The longer follow-up period, the less anxiety in AS patients.
- Objectives: Compare <u>anxiety</u>

Conclusion 1: Timing of SDM

- I. Patients who chose **AS** had <u>less state and trait anxiety</u> than those who chose **IS**.
- II. Patients who opted for **AS** appeared to be swayed by their <u>physician's recommendation</u>, while those who chose **IS** were affected their <u>own convictions</u>.

Result 1: Timing of SDM

Table 1. Patient characteristics in AS and IS groups at the timing of SDM AS(n = 100) IS (n = 50) p value

	AS(n = 100)	15 (n = 50)	p value
Age, years	54.6 ± 11.7	43.7 ± 12.6	<.0001
Female, n (%)	79 (79.0%)	38 (76.0%)	0.68
Tumor size, mm: median (range)	8.9 (5.2–17.5)	10.5 (3.9–15.4)	0.0097
History of other		2(C,00())	0.02

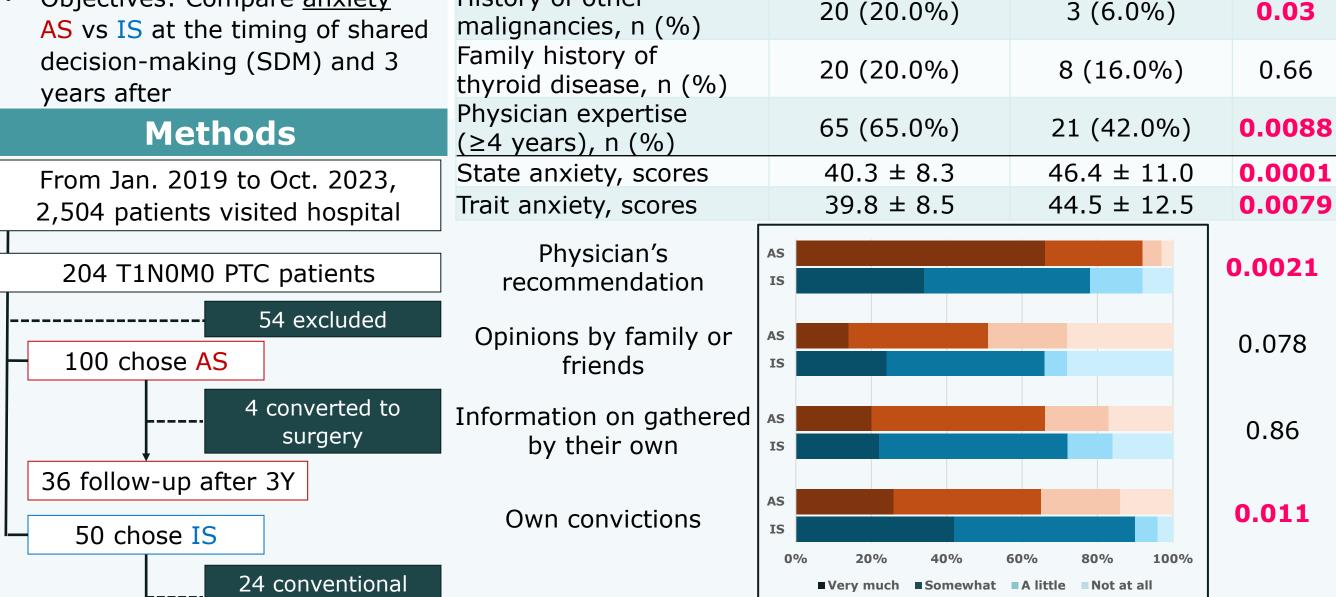


Fig 1. Distribution of decision-making among AS and IS groups: How did these factors affect the management choice for the cancer?

Conclusion 2: Over the course of 3Y

- I. State anxiety in **AS** patients significantly <u>decreased after 3Y</u>.
- II. State anxiety in **IS** patients <u>decreased after 1Y</u> but <u>returned</u> to pre-surgery levels <u>by 3Y</u>.

Result 2: Over the course of 3Y

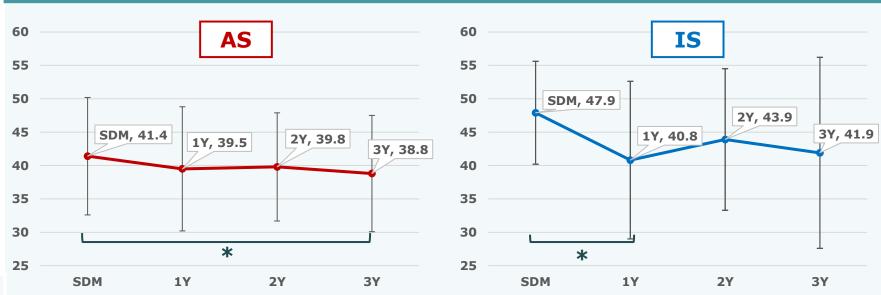


Fig 2. State anxiety score changes in AS and IS groups; *p < .05

Design: Prospective & longitudinal study

26 endoscopic

Data Collection: 4 time points

 ✓ After SDM regarding management strategy

14 follow-up after 3Y

✓ 1Y, 2Y & 3Y follow-up visit

Questionnaires: 2 types of surveys

- ✓ STAI: <u>State Anxiety</u> (anxiety at the time of survey) & <u>Trait Anxiety</u> (dispositional anxiety across time & situations)
- Original Questionnaire: Assess patient's decision-making

¹Kazusaka H, et al. World J Surg 2023;47(5):1190-1198.