Thyroid Ultrasound Examination

Thyroid Ultrasound Examination: Results of the Third Full-scale Survey (Fourth-round Survey)

Latest Examination Results: https://www.pref.fukushima.lg.jp/site/portal/kenkocyosa-kentoiinkai.html (in Japanese)

Results of the Primary Examination

	Number of	Number of examinees (people)			Number of those diagnosed (people)				
				Diagnosis rate (%)	Breakdown by grade (%)				
	eligible subjects (people)	Examination rate (%)	Examinees from outside the prefecture		A	Those recommended to take the Confirmatory Examination			
					A 1	A 2	В	С	
Total	294,228	183,410 (62.3)	10,234	183,410 (100.0)	61,712 (33.6)	120,304 (65.6)	1,394 (0.8)	0 (0.0)	

Grade A: 99.2%

Results of the Confirmatory Examination

	Number of eligible subjects (people)	Number of	Number of those who received a definitive diagnosis (people)					
		(people)	Rate of definitive diagnosis (%)	For next examination		For regular healthcare program, etc.		
		Examination rate (%)		A 1	A 2		Those who received fine-needle aspiration cytology	
Total	1,394	1,036 (74.3)	1,016 (98.1)	6 (0.6)	88 (8.7)	922 (90.7)	91 (9.9)	

* The total of percentages with one decimal place may not be 100% due to rounding

Results of the fine-needle aspiration cytology

Average tumor size: $13.1 \pm 6.3 \text{ mm}$ (6.1 to 29.4 mm)

Malignant or suspicious for malignancy: 39 people; 17 males and 22 females Average age: 17.0 ± 3.1 years old (9 to 24 years old); At the time of the earthquake: 8.3 ± 2.9 years old (0 to 14 years old)

 Out of 39 people whose tumors were diagnosed as malignant or suspicious for malignancy, 34 received surgery (papillary cancer: 34).

Prepared based on the material for the 46th Prefectural Oversight Committee Meeting for Fukushima Health Management Survey

These are the results of the third Full-scale Survey which was the fourth round of the Thyroid Ultrasound Examination.

Examinees diagnosed as Grade A in the Primary Examination accounted for 99.2% of the total, while those diagnosed as Grade B accounted for 0.8%. Most of those diagnosed as Grade A2 had cysts of 20 mm or smaller and those diagnosed as Grade B had nodules of 5.1 mm or larger. This tendency was the same as that observed in the Preliminary Baseline Survey and the first and second Full-scale Surveys (second- and third-round surveys).

In the Confirmatory Examination, as a result of fine-needle aspiration cytology, 39 examinees were diagnosed that their tumors were malignant or suspicious for malignancy.

Included in this reference material on March 31, 2021 Updated on March 31, 2023