ture or 10–30°C.

(2) It seems that 72% PVF contained T₃-¹³¹I is more stable than 65% PVF contained T₂-¹³¹I.

(3) These PVFs contained T₃-¹³¹I are able to be used clinically, and as the test of ¹³¹I-T₃ by using them will become simpler than the previous one because it can be easily made by adding only serum.

Experience of Ablrnen Thyroids

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5 cases of aberrant thyroid glands seen in Radioisotope-clinic Kyushu University Hospital from 1960 till 1965 are reported. In all cases thyroid glands are not at normal region of neck, but at tonguebasis region.

Their ¹³¹I scitigrms and roentgenogrms taken with 200 and 250 kvp. X ray were showed.

Case No., Name, Age, Sex, Chief complaint, Basal Metabolic Ratio, ¹³¹I Up Take Ratio (past 24 hours), Value of Triosorbe Test of the following are:

Case 1. R.K., 13Ys, Female, Stopping feeling at nose, -8.5%, 4.9%.
Case 2. N. I., 20.Ys, Male, Stopping feeling at nose and pharynx, +10%, 2.1%, (at center of neck), 8.1% (tonguebasis region).

Case 3. S. I., 32.Ys., Female, Stopping feeling at tonguebasis region, +11%, 3.4%.
Case 4. K. K., 20.Ys., Female, Tumor at tonguebasis region, -9%, 18.4%.
Case 5. H. S., 42.Ys., Female, Light dyspnea, -6%, 19%, 32.7%.

This disease had been diagnosed only by histological examination traditionally, but has been diagnosed easily by nuclear application recently.

Statistical Observation of Thyroid-Scintigram

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Since the April of 1960 till the March of 1965, Thyroid-Scintigrams of about 2300 have been performed and classified into several groups in the Department of Radiology, University of Tokyo. The total Thyroid-Scintigram in each year, was devided by sex and that of female was about four times than that of male.

Next, an about 1200 of Scintigram, which had a clinical diagnosis, was devided by disease and that of Hyperthyroidism and Nodular goiter are more frequent than others. Position, size and defect of a Scintigram have important clinical merits. About position of a normal thyroid-scentigram, a right lobe is higher than left lobe at the overpole in about the 75%. And a underpole of right lobe is lower or same level or higher than the underpole of a left lobe.

Therefore, symmetrical form of thyroid-scintigram is considered to be in less number.

About size of scintigram, normal thyroid