Panel Discussion

A. Neuroradiology

A-1. Neurosurgical Application of Axial Transverse Tomography

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Axial transverse tomography has been developed over the last twenty years. After many articles and monographs were published, the clinical value of this technique was proved by the pioneers. A unit for taking tomograms by lying patient, axial transverse tomograph of horizontal type has been manufactured since 1950 and is widely used in Japan.

In this paper, the axial transverse tomograms of the skull and air encephalotomogram were studied on the neurosurgical point of view.

The characteristic of this technique was indicated as obtainable of the perfectly entire contour of the axial transverse surface.

Axial transverse tomograms of the skull, including air encephalotomograms, taken parallel to the orbitomental line were demonstrated to explain the usefulness of this technique to the neurosurgical clinics.

A-2. Diagnostic Value of Roulette Tomography and its Harmonized Film in Intracranial Lesion

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Tomography was developed a half century ago. However its application to intracranial lesion was, contrary to expectation, limited due to the blurring bony shadow. Recently, improved tomographical apparatus with long complexed trajectories or orbits of the tube and film shift has been practicable. These devices enabled