The experimental instrument which opened the way for the helical CT scan

Registration No.	Number 00244		
Registration Date	August 28, 2018	Registration Category	Category 2

Name (Model, etc.)	Experimental Board for Helical Scanning
Location	Toyoake-shi, Aichi
	Fujita Health University
Owner (Custodian)	Fujita Health University
Manufacturer (Company)	Faculty of Diagnostic Radiology, Department of Hygiene, Fujita Health University
Year Manufactured	1988
Year first appeared	1988
Reason For Selection	A hand-made, experimental board which was attached to the high-speed continuous rotation CT scanner TCT-900S. The TCT-900S dramatically increased the speed of scanning multiple slices. However, since the scanner moved the board quickly and stopped it abruptly, the issue was that inertia moved the patient's internal organs, causing the images to be unclear at times. "What if we didn't stop the board but kept it moving?" With this idea, members of the faculty hand-made the experimental instrument and succeeded in scanning, opening the way for the world's first application of the helical CT scan (the method of scanning in which the board carrying the lying patient is moved continuously during scanning). It is invaluable as an object which tells the history of trial and error in the development of X-ray CT and has vital educational value in planning the inheritance of scientific technology.
Registration Standard	1-E (Have significant educational value in the task of handing on scientific and technological skills as examples of trial and error, failure, etc.)

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Other useful information	