

One of the earliest medical X-ray apparatuses

Registration No.	Number 00253		
Registration Date	August 28, 2018	Registration Category	Category 2

Name (Model, etc.)	Medical X-Ray Apparatus DIANA and Related Apparatuses		
Location	Kyoto-shi, Kyoto		
	SHIMADZU FOUNDATION MEMORIAL HALL		
Owner (Custodian)	Owner: SHIMADZU CORPORATION Custodian: SHIMADZU FOUNDATION MEMORIAL HALL		
Manufacturer (Company)	SHIMADZU CORPORATION		
Year Manufactured	1920-1923		
Year first appeared	1918		
Reason For Selection	This was developed as a general-purpose medical X-ray apparatus which could be applied to a variety of objectives. One demand of the time was a shift from ion (gas-filled) X-ray tubes, low in power output and unstable, to thermoelectron X-ray tubes (Coolidge tubes) which would allow for shorter photography times with its stable, high power output. This unit solved the problem by employing a high-voltage power supply using an alternating-current power supply and a transformer instead of the conventional induction coil. The mechanical commutator high-voltage generation apparatus DIANA and the accompanying tube bulb holder, radioscapy table, and other apparatuses as a system is vital because they preserve how the system was used at the site of radioscapy, photography, and treatment.		
Registration Standard	1-B (Show a uniquely Japanese scientific or technological development from an international perspective.)		

Open/Closed to Public	Open to Public		
Photo			
Other useful information			