

Modified Electroconvulsive Therapy (ECT) is now available at Burdwan Medical College, Purba Bardhaman, West Bengal, India.

Modified Electroconvulsive Therapy (ECT) was started by Department of Psychiatry, Burdwan Medical College in June, 2024.



On June 8th, 2024, the **Department of Psychiatry**, in liaison with the **Department of Anesthesia**, inaugurated the Modified Electroconvulsive Therapy (ECT) unit at Burdwan Medical College and Hospital. The event was graced by the **Honorable Director of Medical Education, Prof. (Dr.) Kaustav Nayek**, and the **Principal of Burdwan Medical College, Prof. (Dr.) Mousumi Bandyopadhyay**, along with other distinguished dignitaries. Under the expert supervision of **Prof. (Dr.) Divyagopal Mukherjee**, Head of the **Department of Psychiatry**, and **Prof. (Dr.) Sumanta Ghosh Mullick**, Head of the **Department of Anesthesia**, the first case of the modified ECT was successfully administered. Faculty members from both departments were in attendance, and enthusiasts from various other departments were also present to witness this significant milestone at Burdwan Medical College and Hospital.

The ECT Unit

A specialized room for the Modified Electroconvulsive Therapy (ECT) Unit has been designated within the Hybrid Critical Care Unit at Burdwan Medical College and Hospital. The room has been equipped with two beds and all necessary instruments.



The specifications of the newly installed Electroconvulsive Therapy (ECT) machine:

- Bidirectional Brief Pulse with Constant Output Current.
- Frequency Range: 20 – 120 Hz with Pulse Width: 0.1 to 2 ms.
- Modes: Automatic and Manual and Stimulus Duration in Automatic Mode: 0.1 to 5.9 s.
- Output Display: Measured in joules and millicoulombs.
- Visual and Audio Signals Indicate: ECT readiness for use.