

Pharmaco-EEG dataset

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10.17632/gmkbhj28jh.1

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Description

- Project name: ANN4EEG
- Project home page: <https://cmi.to/ann4eeg>

Experimental protocol

Rats were randomized and administered various anticonvulsants at the maximum single therapeutic dose (conversion factor from humans to rats used in this study was 5.9 as recommended) or subconvulsive dose for substances with proconvulsant activity. After reaching the peak concentration (depending on the pharmacokinetic properties of the drug) under control of the operator, brain activity was recorded for 10 min.

Substances

Diazepam (6 mg/kg, po)
Phenazepam (1 mg/kg, po)
Chloral hydrate (100 mg/kg, ip)
Pregabalin (60 mg/kg, po)
Gabapentin (360 mg/kg, po)
Carbamazepine (200 mg/kg, po)
Eslicarbazepine (160 mg/kg, po)
Corazol (pentylenetetrazole; 20 mg/kg, ip)
Picrotoxin (2 mg/kg, ip)
Pilocarpine (60 mg/kg, ip)
Arecoline (40 mg/kg, ip)

i-EEG Recording

A laboratory electroencephalograph (NVX-36; MKS,
<https://data.mendeley.com/datasets/gmkbhj28jh/1>

Dataset metrics

Usage

Views:	139
Downloads:	12



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Institutions

Volgogradskij gosudarstvennyj medicinskij
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Categories

Pharmacology, Electroencephalography

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Moscow, Russian Federation) was used to record bioelectrical activity. Intracranial EEG signals were recorded at a sampling rate of 500 Hz, in a bipolar montage. Electrode impedance < 5 k Ω .

i-EEG montage: Olfactory bulbs (OB) (ground); P3-A1 (channel 1); O1-A1 (channel 2); P4-A2 (channel 3); O2-A2 (channel 4).

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dataset_set_1000.zip



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