August 2024

# External NEWSLETTER

THE DIGMINE+ projects
Improved diagnostics by digital gold mining in historical neurophysiological data



## WHAT's NEW?

- Received funding from Norprem and Stiftelsen Dam to set up an AI research infrastructure and start researching perception of- and trust in AI solutions by both patients and health personnel
  - Received funding for one postdoc position for the ENTRAPME project
  - **Published E-Norms validation paper**
  - Four contributions at the EAN Neurology Congress 2024

**Pictures from the EAN congress 2024**



## DATABASE IMPROVEMENTS

We have applied for funding to annotate the DIGMINE database with diagnostic information.

## NEW TEAM MEMBER

Øyvind Gulbrandsen, previously CEO at Holberg EEG, will be joining us from 19th of August as an advisor. Welcome!

## REFERENCE LIMITS

We are working on new reference limits for nerve conduction studies and evoked potentials.

## ENTRAPME – NEW PROJECT

In this new project Øystein Dunker (as postdoc) will design, train and validate machine learning algorithms for diagnosing nerve entrapments.

## DIGMINE – NEW/UPCOMING PUBLICATIONS

Øystein et al. found that with small adaptations, the E-Norms method adequately replicates traditionally derived reference limits, and is a viable alternative method to produce reference limits from historical data. We are currently also working on a paper in which we compare the performances of E-Norms and three other popular alternative methods: E-Ref, MeRef and MMC.