

From a Parkinson's Patient to a Founder: An AI Clinical Monitoring Platform for Neurodegenerative Diseases

Jean-Alain Jachiet (1)

1) Lihoury Technology sarl

Neurodegenerative diseases such as Parkinson's disease require continuous and objective assessment, yet most clinical evaluations remain limited to brief, infrequent consultations. This creates significant challenges for clinicians attempting to capture disease fluctuations and for patients seeking personalized care.

This presentation introduces Lihoury Technology, a health technology company developing an AI-powered clinical monitoring platform designed to bridge the gap between hospital visits and everyday life. Founded by a Parkinson's patient with a background in artificial intelligence and software engineering, the company combines lived experience with technological innovation to create practical digital tools for neurological care.

The platform integrates markers collected through standardized virtual assessments, including voice analysis, gait and balance evaluation, hand dexterity, reaction time, reflex measurements and other objective functional markers. Advanced AI models transform these measurements into clinically meaningful insights that support longitudinal monitoring and individualized disease tracking.

The presentation will demonstrate personalized dashboards designed for both patients and healthcare professionals. Patients gain access to intuitive visualizations of their functional evolution over time, while clinicians receive objective, quantitative information that complements traditional neurological examinations and supports more informed clinical decision-making.

Beyond Parkinson's disease, the platform has been designed to support a broad range of neurodegenerative disorders, enabling scalable, remote, and data-driven monitoring. By combining virtual markers, artificial intelligence, and patient-centered design, this technical solution aims to improve disease management, facilitate clinical research, and contribute to more personalized neurological care.

Biosketch

Jean-Alain JACHET, MSc

Founder and CEO

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CURRENT AND PAST POSITIONS

Jean-Alain Jachiet is the Founder and CEO of Lihoury Technology, a company dedicated to developing artificial intelligence solutions for the remote monitoring of neurodegenerative diseases. With more than 30 years of experience in software engineering, cloud technologies, cybersecurity and artificial intelligence, he has led numerous large-scale digital transformation and innovation projects in the media market (TV, radio).

Diagnosed with Parkinson's disease, he transformed his personal experience into an opportunity to improve neurological care through technology. His unique perspective as both a patient and an AI expert has driven the development of an innovative platform that combines digital biomarkers, computer vision, speech analysis, and machine learning to provide objective, continuous assessment of neurological function.

Under his leadership, Lihoury Technology has developed a comprehensive clinical monitoring platform capable of evaluating multiple domains including gait, balance, hand dexterity, voice, and reflexes performance. The platform generates personalized dashboards for patients and clinicians, enabling monitoring.

His work focuses on translating advances in artificial intelligence into practical, clinically relevant tools that improve patient care while reducing the burden of frequent in-person assessments. He actively collaborates with clinicians, researchers, patient organizations and technology partners to advance the adoption of virtual markers in neurological diseases.

EDUCATION

1987: European Business School Paris.