

PRESS RELEASE



Basel, August 16, 2017

Clinerion announces a new technology for patient identification using fully anonymized electronic patient data.

- **“Anonymized identification” is based on fully anonymized patient records, with no use of pseudo IDs.**
- **PCT patent filed for a new technology which uses a combination of techniques, incl. checksum algorithms to match anonymized records with corresponding hospital medical records.**
- **New system set-up increases data security and privacy protection.**
- **Technology can be applied in the identification of clinical trial candidate patients within trial sites.**

Clinerion has filed an international patent application under PCT procedures for a new technology for patient search and identification based on the electronic medical records of patients held by hospitals. The “anonymized identification” (ANID) technology involves exclusively the use of anonymized data, ensuring the privacy and security of patient information.

The new “anonymized identification” (ANID) technology, implemented in Clinerion’s Patient Recruitment System (PRS), significantly reduces any risk of private information being revealed when using patient medical records to evaluate study feasibility, or identifying patients for enrollment in clinical trials.

The new technology uses exclusively anonymized records, but enables the duly authorized clinical trial manager at the hospital to re-identify eligible patients. Although all identifiable personal information and patient record identifiers have been completely stripped from medical records before use, the new technology can enable a healthcare provider to match anonymized records with corresponding hospital records through the use of a combination of techniques, incl. checksum algorithms.

The new system set-up involves a one-way, outbound-only connection between the hospital IT infrastructure and the locally hosted Clinerion PRS server, further increasing information security.

While offering a new, enhanced level of data protection, “anonymized identification” (ANID) maintains all the advantages of the legacy Clinerion PRS technology, such as following HIPAA rules regarding protection against accidental identification. Query results for feasibility requests are stored in the PRS secure private cloud environment, which only sees aggregated counts of the patients which fit the queries. The performance of PRS is not affected, results still appear in real-time and the number of eligible patients found remains 10-30 higher than through conventional methods.

“This truly disruptive approach has a number of advantages over conventional methods, making data research and patient identification considerably more secure,” says Andreas Walter, Chief Technology Officer of Clinerion. “Anonymization is the gold standard when it comes to patient privacy protection during the use of patient medical data. “Anonymized identification” (ANID) removes all possible sources of concerns.”

“The privacy of the individual patient is paramount and patient data security is increasingly legislated,” says Ulf Claesson, Chief Executive Officer of Clinerion. “We are pleased to offer a solution which changes the game. At the same time, this revolutionary technology future-proofs Clinerion’s services for clinical trial patient recruitment and market access activities.”

All new PRS installations will use the new technology from now on. Existing installations will be migrated at the request of partner hospitals.

“Anonymized identification” (ANID) can be expanded for any uses wherein a database of anonymized records must be queried and the records later re-identified.

About Clinerion

Clinerion enables early patient access to innovative treatments through solutions for clinical trial patient recruitment, real-world evidence, and market access. Clinerion’s Patient Recruitment System accelerates clinical research by radically improving the efficiency and effectiveness of trial recruitment. Key tools for Clinerion’s patient data services include data-assisted protocol optimization, site feasibility evaluation and patient identification. Clinerion’s solutions allow member hospitals to participate in leading-edge, industry-sponsored trials and save time in patient recruitment. They enable pharmaceutical companies to gain time and save costs by streamlining operations and leveraging strategic intelligence. Clinerion’s proprietary Big Data analytics technologies leverage real-time data from electronic health records which remain under the full control of participating hospitals. Clinerion is a global data technology company headquartered in Switzerland. Clinerion’s solutions follow international patient privacy and data security standards.

Clinerion website: www.clinerion.com

Clinerion’s Patient Recruitment System:

www.clinerion.com/index/OverviewOurSolutions/PatientRecruitmentSystem

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