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Italian genetics laboratories go digital - a fundamental step forward.

TECHNIDATA installs its innovative genetics software, ^{TD}Genet, to run the Human Genetics Laboratory at the Center for Advanced Studies and Technologies (CAST) at Gabriele d'Annunzio University, Chieti-Pescara. Although the software is already in use in France, Canada, the USA and Singapore, it is the first of its kind to be installed in Italy. The software, developed by geneticists for geneticists, offers an effective and flexible solution with specialized features that are not available in the Italian market.

Installing ^{TD}Genet at CAST Medical Genetics Laboratory

The Center for Advanced Studies and Technologies promotes the development of basic preclinical and clinical research in biomedical sciences, and organizes specific post-graduate training courses.

CAST Medical Genetics Laboratory carries out research, development, and executes postnatal genetic tests for the identification of molecular alterations associated with genetic diseases. The diagnostic assessment activity is focused on the pathologies of Mendelian inheritance.

Quality assurance of test results is ensured through both internal and external quality controls. External quality controls are carried out for specific genetic tests, both through direct sequencing technique and NGS, through inter-laboratory collaborations and participation in EQA (European Quality Assurance) schemes promoted by the Italian "Istituto Superiore di Sanità".

^{TD}Genet is the first installation of its kind in Italy to cover all genetic disciplines. It is a complete solution that manages all phases of laboratory processing: from patient management and reporting to monitoring analytical workflows with complete process traceability.

This interoperable system guarantees data security (in compliance with 2016/679 GDPR and AGID directives) and, thanks to its characteristics, constitutes ideal support for ISO 15189 accreditation.

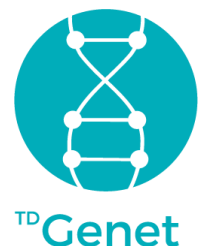
Exhaustive traceability

"The use of ^{TD}Genet software for the management of molecular genetic testing at the laboratory of Gabriele d'Annunzio University Chieti-Pescara has allowed us to optimize all processes ranging from genetic counseling, sample collection, laboratory transfers, right up to the actual testing phase. It allows you to easily enter all clinical and anamnestic data and compose extensive genealogical trees, while also generating unique codes for individual samples.

Traceability of samples is absolute and carried out by directly accessing the software. The laboratory can view all sample-related information, the type of testing to be carried out, the timing of report production, and more. That we were able to track all processes in our production chain was particularly appreciated during the accreditation and certification stage of the new laboratory," explains Prof. Stuppia, Director of the Laboratory of Medical Genetics.

"Installation of ^{TD}Genet at the CAST in Chieti represents an important milestone for TECHNIDATA in Italy. When TECHNIDATA SAS decided to open its Italian branch, our attention was immediately drawn to the potential of ^{TD}Genet - comparable solutions are just not available in Italy.

The interest that the software continues to spark in our stakeholders confirms the company's initial assessment. Thanks to the CAST's expertise and innovative mindset, the full richness ^{TD}Genet is accentuated. Collaborating with the CAST is a real pleasure," adds Piero Tassoni, General Manager of TECHNIDATA Italy.



About TECHNIDATA www.technidata-web.com

With over 40 years experience in the field of laboratory management, TECHNIDATA is a leading global software supplier for clinical, anatomic-pathology laboratories and biobank information systems. Developed in full compliance with ISO 9001/ISO 13485 quality standards, TECHNIDATA software products are distributed in more than 25 countries worldwide and cover all clinical laboratory disciplines: Biochemistry, Hematology, Immunology, Virology, Microbiology, Blood Banking, Histology and Cytology, Genetics, and Biobanking.

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About G.d'Annunzio University of Chieti-Pescara – Italy

Center of Studies and Advanced Technologies "CAST"
Medical Genetics Laboratory

<https://www.cast.unich.it/it>

The Center for Advanced Studies and Technology (CAST) is a multidisciplinary infrastructure that hosts more than 16 selected research teams led by scientists belonging to different departments, and supported by more than 9 state-of-the-art facilities.

Multidisciplinary research performed at the Center is focused on characterizing pathophysiological mechanisms of aging-related conditions to develop and validate novel therapeutic approaches and diagnostic/prognostic biomarkers. CAST provides several shared facilities and state-of-the-art genomic and proteomic equipment as well as advanced imaging and electrophysiological techniques.

The Center promotes the implementation of clinical research through a dedicated Clinical Research Center licensed to perform phase-1 studies of new drugs.