

Impressively reliable and rapid

The hereditary disease diagnostics of the future





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Fast, precise evaluation of germline variants

MH Guide/Mendel is optimized for evaluating germline variants associated with hereditary diseases. The software application is a module of MH Guide and supports human

genetics laboratories in next-generation sequencing (NGS)-based assessment of germline variants.

How human genetics laboratories benefit from MH Guide/Mendel:

- Approved for diagnostic use MH Guide/Mendel is a module of MH Guide, which is approved as an IVD medical device according to the EU regulation 2017/746 (IVDR).
- Faster results

By automatically accessing relevant databases and pre-classifying variants according to ACMG criteria, MH Guide/Mendel quickly and accurately identifies and annotates gene variants associated with hereditary diseases.

Easy to integrate

Flexible interfaces make it possible to analyze standard data formats from the sequencing of commercially-available or proprietary gene panels, independent of the platform used.

Customizable evaluation

The filtering and editing options within the software allow quick access to the most important information. Users can store their own variant classifications in the protected area of their account.

Scalable analysis process
MH Guide/Mendel's optimized w

MH Guide/Mendel's optimized workflow allows a high sample throughput.

Audited quality

Molecular Health Molecular Health's quality management system (QMS) is certified according to EN ISO 13485, for the design and manufacture of medical devices. Users benefit from the safety and reliability of MH software applications.



The MH Guide/Mendel process

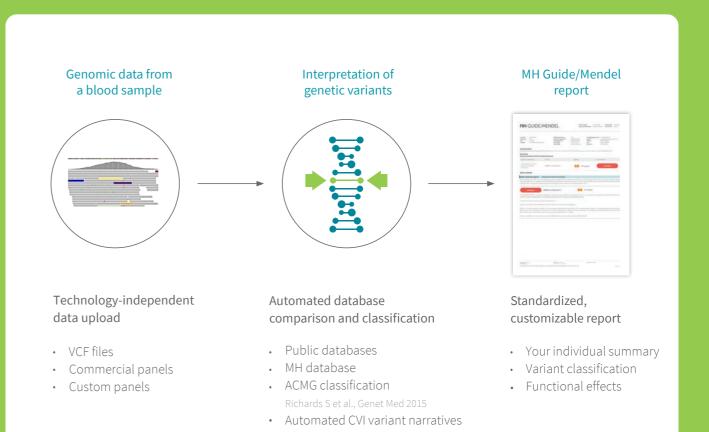
Use global knowledge to reliably aid in the diagnosis of hereditary diseases or disease predispositions

MH Guide/Mendel identifies and classifies variants for hereditary diseases. The software automatically matches these with data based on the comprehensive, regularly updated, and quality controlled Dataome database. This contains, among other things, the currently published biomedical knowledge on relevant hereditary diseases and pathogenic gene variants.

You can use any commercial or proprietary gene panel and have the data analyzed in VCF format with MH Guide/Mendel.

MH Guide/Mendel summarizes all of the relevant results in individual reports that provide users with clear, specific information on genetic mutations associated with hereditary diseases.







Integration in lab workflows

Flexibility and data security in one

The web-based software application can be easily integrated in the laboratory. It enables the annotation and interpretation of genetic variants from common NGS or other analysis platforms.



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Approved for clinical use

MH Guide/Mendel is a module of MH Guide, a software application approved in Europe as an IVD medical device according to the EU regulation 2017/746 (IVDR).



SaaS – individually scalable

MH Guide/Mendel is offered as scalable SaaS (Software as a Service) to suit small and large institutions alike.



Customizable patient reports

The design, content, and format of analysis reports can be adapted to individual needs on request.



Flexible input and output formats

Our applications process the standard data format VCF. Output formats are PDF, and JSON. Structured export of variant information is available in CSV format for single and multi case analysis.



Secure data transmission

MH Guide/Mendel provides secure transmission of patient data through advanced encryption standards (SSL/TLS, AES-256) and storage of patient data with controlled access authorization.



Guaranteed security of patient data

MH Guide meets the requirements of:

- General Data Protection Regulation (GDPR) in Europe.
- Health Insurance Portability and Accountability Act (HIPAA) in the USA.
- Genetic Diagnostics Act (GenDG) in Germany.



Data center architecture

Molecular Health utilizes data centers certified according to international security standards, including Trusted Site Infrastructure (TSI) and ISO 27001. Molecular Health performs third-party penetration tests and maintains a continuous process for vulnerability scanning and handling.

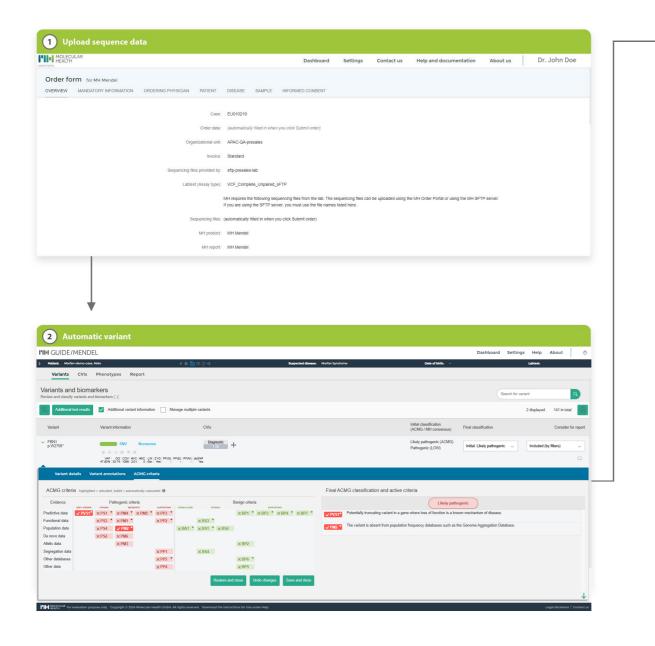


Efficient workflows in your lab

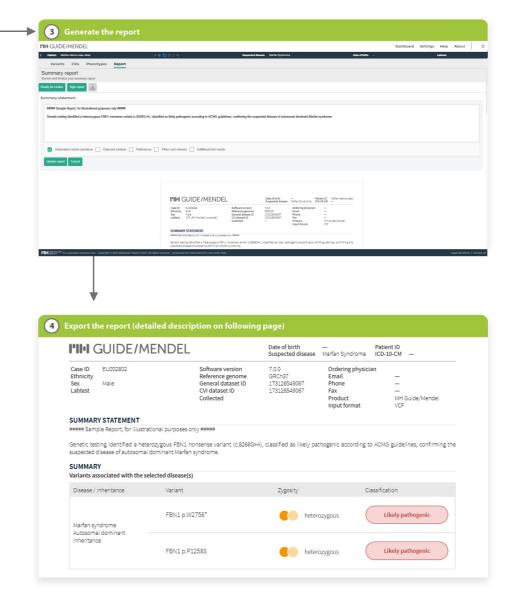
MH Guide/Mendel lets you optimize your everyday processes. The cloud-based software automates the interpretation of germline variants and delivers high-quality analyses.



Generate the report: just a few, intuitive steps

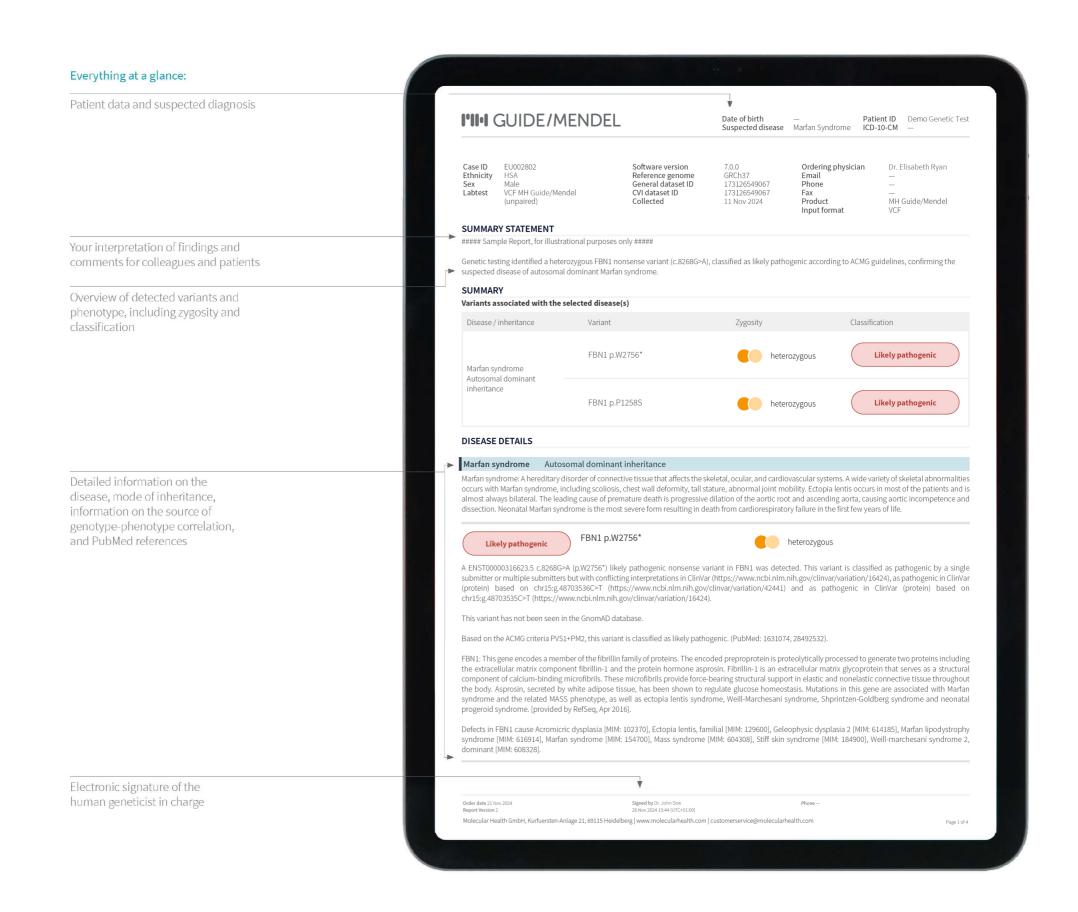


How it looks on your screen: from raw data upload to final patient report











How to reach Molecular Health



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We develop and deliver innovative technologies for in silico medicine and precision medicine

Our solutions enable the conversion of large amounts of data into evidence-based, medically relevant results for the actors in the healthcare sector. Therewith, we provide molecular pathologists, geneticists, physicians, and patients with better information

on diagnoses and therapy options. We support pharmaceutical and health organizations by optimizing clinical studies in the development of promising active ingredients and meaningful disease models.