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Molecular Health



Automated analysis of hereditary cancer predispositions

Our applications for hereditary cancer predispositions are optimized for automated identification of clinically-significant germline variants associated with hereditary breast and ovarian cancers (HBOC), and other hereditary cancer predispositions.

How your laboratory benefits from our solutions:

- Approved for diagnostic use
 Our applications for HBOC and other
 hereditary cancers are modules of MH
 Guide, which is approved as an IVD
 medical device in the EU and intended
 for diagnostic use.
- Faster results
 Automatic access to relevant databases, as well as variant pre-classification according to ACMG criteria and genotype-phenotype correlations.
- 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 allow quick access to the most important information as well as the integration of proprietary databases.

and reliability of MH software applications.

Audited quality
 Molecular Health is certified to EN ISO
 13485:2016. Users benefit from the safety





Identify hereditary cancer predispositions – quickly, accurately, and efficiently

Our software applications analyze gene variants in comparison with data from Dataome, one of the world's largest knowledge bases for biomedical information. The software provides annotation data from recognized databases such as ClinVar, BRCAExchange, and UTAH BRCA, which are updated regularly.

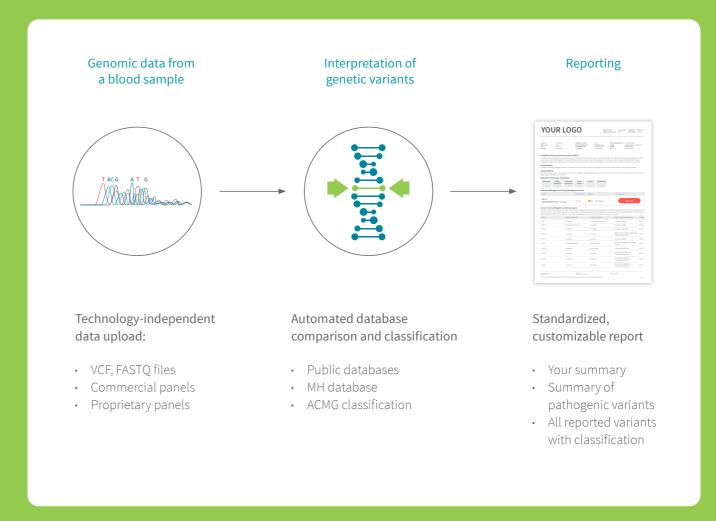
You can use any commercially-available or proprietary gene panels and have the data analyzed in VCF format with our applications. Likewise, raw data (FASTQ) from common Illumina platforms can be analyzed.

The software summarizes all of the relevant results in individual reports that provide users with clear, specific information on possible pathogenic gene mutations associated with HBOC and other hereditary cancers.



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The analyses process





3

Integration in lab workflows

Flexibility and data security in one

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



Approved for clinical use

Our applications for HBOC and other hereditary cancers are modules of MH Guide, a software application approved in Europe as an IVD medical device (according to Regulation (EU) 2017/746 (IVDR).



SaaS – individually scalable

Our applications are offered as scalable SaaS (Software as a Service) to suit small and large institutions alike.



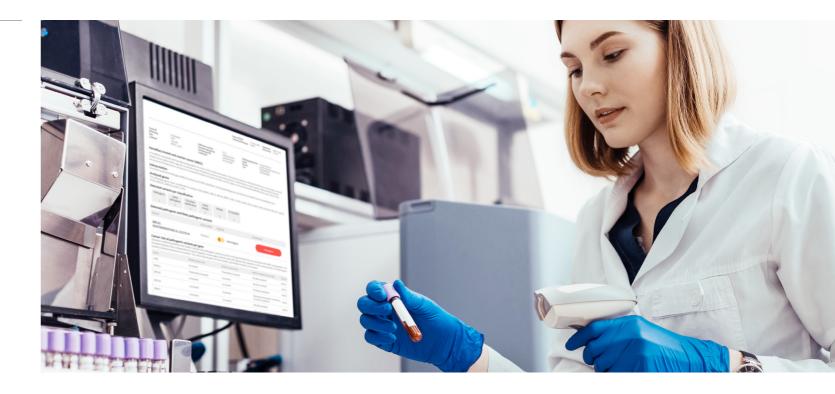
Customizable patient reports

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



Flexible input and output formats

Our applications can process the standard data formats VCF and FASTQ. Output formats are PDF, JSON, and XML.





Secure data transmission

Our applications provide 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

Our applications comply with GDPR in Europe, GenDG in Germany, and the Health Insurance Portability and Accountability Act (HIPAA) in the USA.



Efficient workflows in your lab

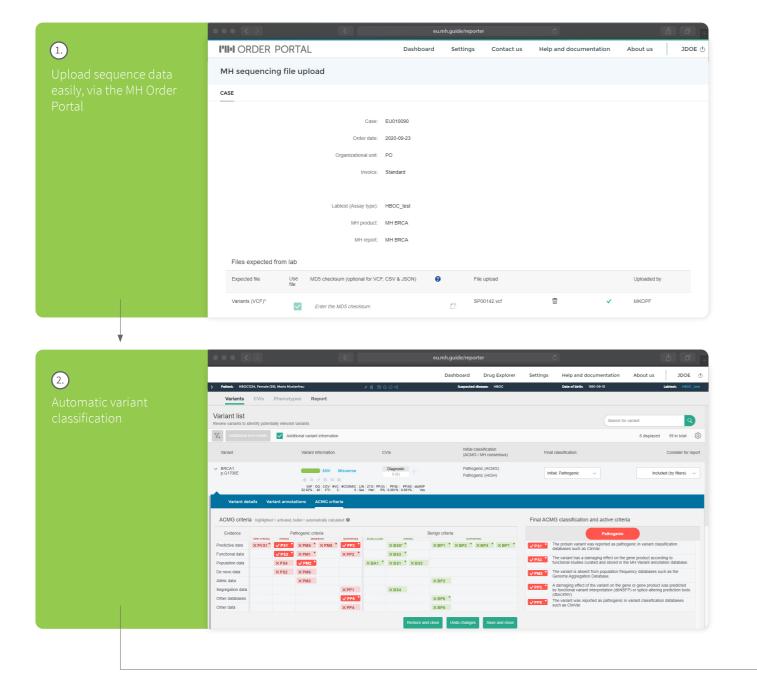
Our applications let you optimize your everyday processes. The cloud-based software automates the interpretation of germline variants and delivers high-quality analyses.



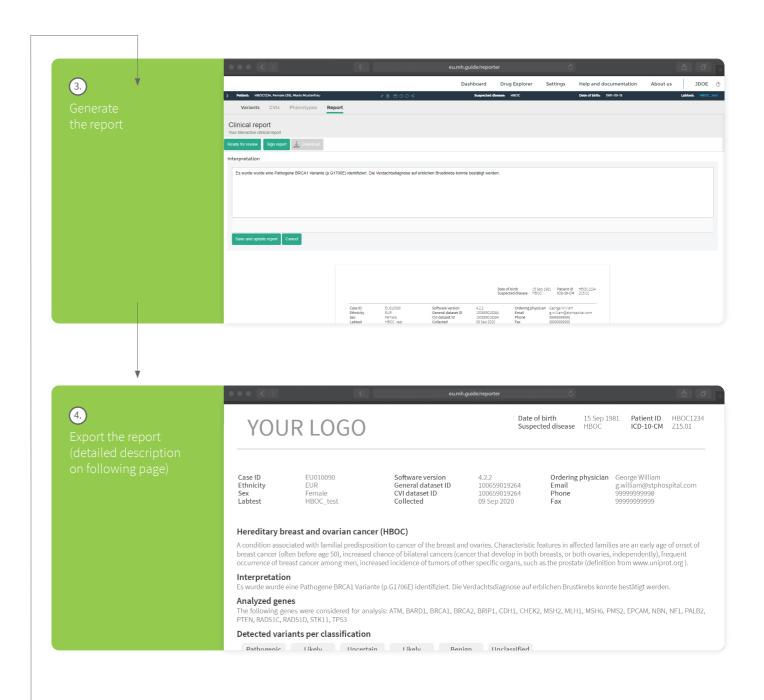


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Generate the report: just a few, intuitive steps



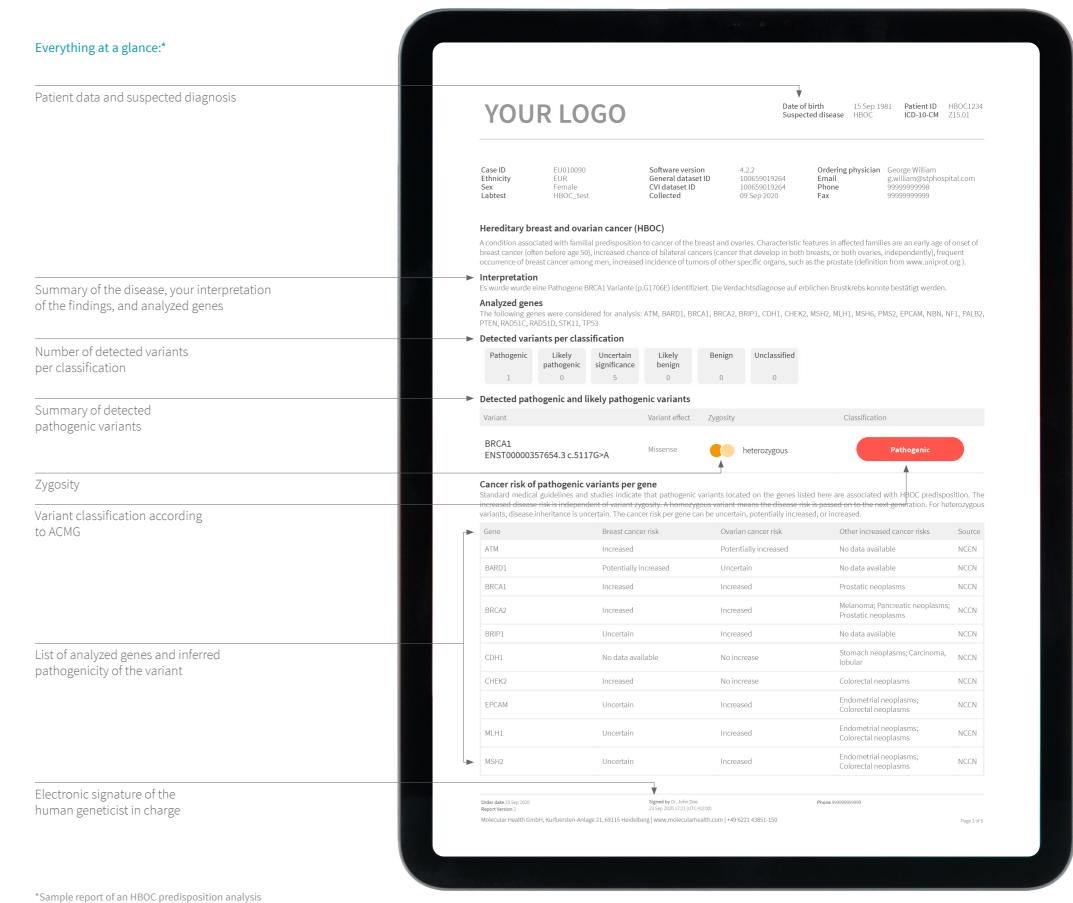
How it looks on your screen: from raw data upload to final patient report















How to reach Molecular Health



Molecular Health GmbH

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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.