



HEPAXPERT

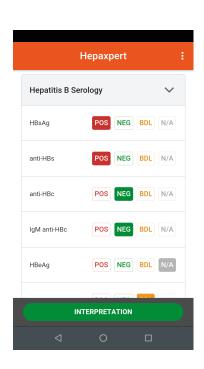


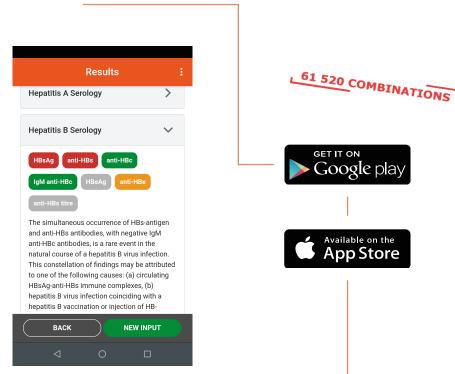
Interpretive texts for hepatitis A, B, and C serology test results

KEY FEATURES

The HEPAXPERT app provides reliable interpretations of hepatitis serology test results. It is a useful tool for medical professionals dealing with hepatitis test results and a helpful app for patients as well. Just enter the findings for hepatitis A, B, and C serology and get a comprehensible interpretive text that gives a better understanding of these values for each patient's test results.

HEPAXPERT's interpretation is able to accommodate all possible—even extremely rare and complex—combinations of hepatitis serology test results, without the need of any additional patient history, biochemical, or clinical data. As a result, HEPAXPERT's interpretive texts can help physicians understand the often complex serologic findings and save valuable time, thus promoting patient safety and quality assurance through clinical decision support.

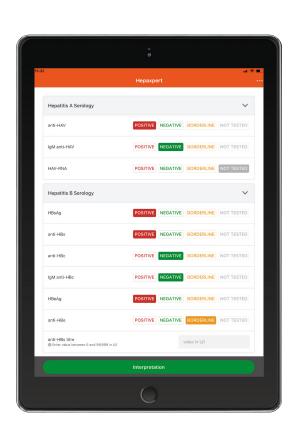


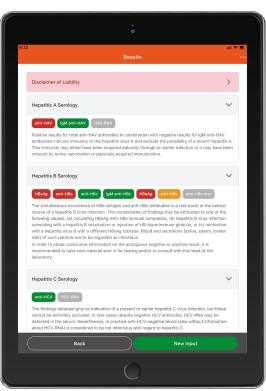




DEVELOPMENT

The HEPAXPERT knowledge base was developed at the Vienna Medical University by clinical hepatologists and health-IT technicians. Medexter adapted this knowledge base and designed the HEPAXPERT app in a collaboration between experienced clinicians, globally renowned health-IT experts, and software specialists using state-of-the-art technology. Decades of clinical and health-IT experience influenced the development process, producing an app with a clear and easy user interface backed by a body of reliable medical knowledge.





Just enter your findings in the clear and easy tablet user interface.

DETAILS

As input, HEPAXPERT uses the qualitative test results for hepatitis A serology (anti-HAV, IgM anti-HAV, and HAV-RNA); the qualitative test results for hepatitis B serology (HBsAg, anti-HBs, anti-HBc, IgM anti-HBc, HBeAg, anti-HBe) as well as the quantitative test result for anti-HBs titer; and the qualitative test results for hepatitis C serology (anti-HCV and HCV-RNA). For each of these parameters, input possibilities include "tested positive", "tested negative", as well as "borderline". Entering "not tested" for some parameters is another input possibility and may result in a recommendation for further testing in HEPAXPERT's textual output. The anti-HBs titer value can be entered for vaccination recommendations.



The given input is then processed by HEPAXPERT's extensive knowledge base, which contains rule packages (written in the Health Level Seven (HL7) International standard Arden Syntax) that can interpret all possible combinations of hepatitis serology test results. In case of hepatitis B, a total of 61 440 test result combinations are possible and HEPAXPERT will deliver interpretations for all of these constellations. It has been carefully built and reviewed by laboratory and clinical specialists; its clinical value was confirmed by external experts, e.g. from Stanford University, amongst others.

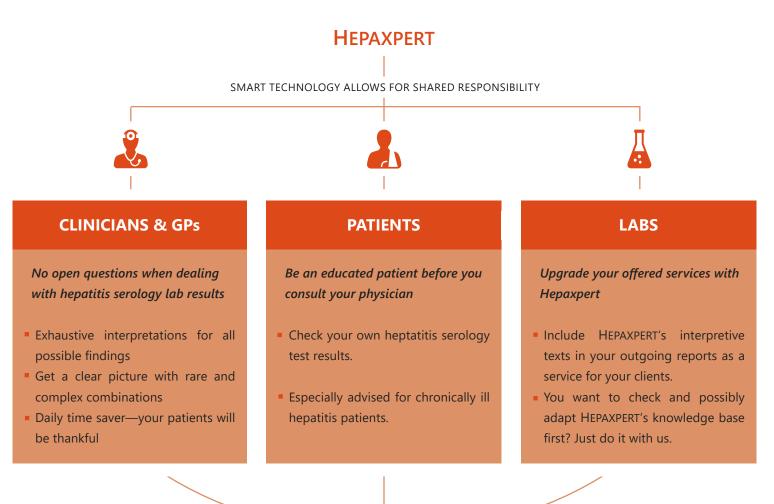
HEPAXPERT's automatically generated interpretive reports include a detailed analysis with regard to virus exposure, immunity, stage of illness, prognosis, and infectiousness. A quantitative anti-HBs titer test result may add recommendations on hepatitis vaccination.

Now available in English and German.

Request HEPAXPERT in your preferred language.

BENEFITS

HEPAXPERT is a valuable resource not only for clinicians and GPs who are treating hepatitis patients. While the physician receives a comprehensive textual interpretation that facilitates his or her daily patient care routine, hepatitis patients themselves are able to use HEPAXPERT for a better understanding of their own lab results. Laboratories may in turn participate by providing these interpretations with their outgoing lab reports, thus helping to optimize the entire hepatitis patient care process.



SMART HEALTHCARE



APPLICATIONS

Our HEPAXPERT mobile app is available for all smartphones and tablets using Android, Apple iOS, or Windows Mobile. HEPAXPERT is also available as web version for use in hospitals, laboratories, and doctors' offices via any browser.

Furthermore, HEPAXPERT can be integrated into various electronic medical record systems (EMRs), laboratory information systems (LISs), or medical practice software systems.

SaaS or Cloud Service

With our Software as a Service (SaaS) option, get your HEPAXPERT interpretations on demand from our server. Interfacing is provided via RESTful web services. Pay per use, bulk purchase, and flat rate options available.

ACCEPTANCE

HEPAXPERT has been tested in Austria, Germany, and the U.S. and has had a high acceptance rate with clinicians. They considered it a valueable tool especially with complex test result constellations that occurr rarely and are difficult to interpret. Testimonials like the following show that its value in clinical practice should not be underrated:

"HEPAXPERT is a tremendous time saver and serves as a teaching tool for MDs who are new to this area of medicine. It provides science-based concise text/print outs explaining with great clarity the often complex maze of hepatitis lab results."

A Clinical User

CONTACT US

Medexter Healthcare GmbH Borschkegasse 7/5

A-1090 Vienna, Austria

+43-1-968 03 24 tel

+43-1-968 09 22 fax

office@medexter.com www.medexter.com

SELECTED REFERENCES

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DISCLAIMER

The attending physician alone is responsible for the patient's diagnosis and therapy. Therefore, contact a doctor at all times. Only the doctor will be able to align the Hepaxpert interpretation with the full clinical picture of the patient. Hepaxpert has not been listed, registered, or approved as a medical device. It is not intended for use in the diagnosis, cure, treatment, or prevention of any disease, and it should not be used as a medical device within the meaning of the EC Council Directive, the US Federal Food Drug and Cosmetic Act, or any similar law.