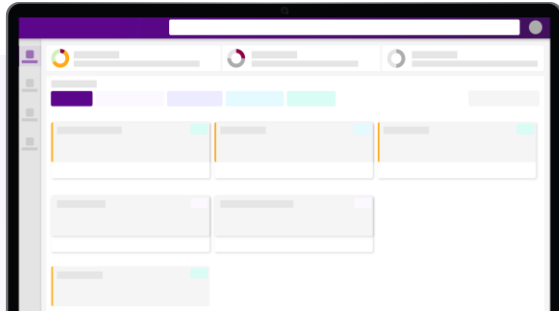




medicalvalues

KÜNSTLICHE INTELLIGENZ FÜR MEDIZINISCHE DIAGNOSTIK



Certified decision support in the diagnostic process

medicalvalues turns medical data points
into actionable diagnostic insights

The AI-based solution from *medicalvalues* supports the complex diagnostic decision-making process through the cross-disciplinary consolidation and interpretation of patient data (e.g. lab results, medical history, symptoms, prior findings, medication) combined with medical research knowledge.

The AI solution from *medicalvalues* is certified as a Class IIa medical device. Thanks to its generalized intended purpose "Software for diagnostic support in outpatient and inpatient medical settings", the system is not limited to specific conditions but provides comprehensive, guideline-based support for diagnosing more than 750 diseases.

Real-time diagnostic support with *medicalvalues*

The system places active prompts on concrete findings and offers functionality to request AI support for open clinical questions

- ✓ **Reporting support** in the (emergency) admission unit and on the ward (in endocrinology, coagulation, infectious diseases, oncology, etc.)
- ✓ **Early detection, classification, progression monitoring and prevention through risk group analysis** (e.g. malnutrition, anemia, kidney damage, diabetes)
- ✓ Mapping of **end-to-end processes** (e.g. in transfusion medicine & antibiotic stewardship)
- ✓ Integration of validated **laboratory and clinical scores**
- ✓ **Intelligent lab test ordering and add-on requesting** with guidance on suitable parameters and on avoiding redundant tests

Clinical and process-related insights

Clearly presented and always traceable guidance within the workflow of physicians

- ✓ **Context-based messaging** for critical values
- ✓ **Specialty-specific support** (e.g. with guidance on suspected diagnoses as well as rare/frequently overlooked diseases)
- ✓ **Cross-disciplinary insights** (e.g. with recommendations for necessary consultations)
- ✓ **SOP-based routines** for standardizing processes and improving quality
- ✓ **Economic focus topics** (e.g. prompt to review the length of stay, reference to undocumented or previously undiagnosed conditions)
- ✓ Highlighting of **drug side effects & interactions**



Validated diagnostic content as the knowledge base

Hybrid concept combining guidelines and (local) SOPs with real-world data in the care process.



Integration into existing workflows

Optimization of existing solutions and systems with new technologies through seamless embedding into your individual process landscape.



Hand in hand with artificial intelligence

The *medicalvalues* diagnostic AI is optimized for use in everyday clinical practice. For the best possible support we rely on a combination of different technologies depending on the use case (e.g. ML and LLMs).



Intended purpose:
**Software for diagnostic support
in outpatient and inpatient
medical settings**

Scope:
**Design, development, distribution,
installation and maintenance of software as
a medical device**



ISO 13485