

## What Is AI and Machine Learning

Artificial Intelligence (AI) and Machine Learning (ML) are used to develop intelligent software such as computational pathology solutions. In pathology, AI and ML enable the detection and quantification of cancer cells. A ML solution is able to highlight regions of interest as well as provide scores and grading of tumors. It can identify specific types of cancer and provide quality-control (QC) on cases already interpreted to identify areas that may have been missed.

AI is used in clinical lab setting, aiding pathologists in diagnosis. It is used in research to bring new drugs and drug therapies to market faster and with better outcomes. In addition, AI can be used to better quantify specific treatments for patients, enabling personalized medicine.



## Features



### Triage

Image Analysis (IA) can be performed on cases before they are routed to the pathologist. This helps route cases based on criteria such as complexity and urgency.



### First Read

Cases can have AI run on them based upon specific requirements (customer, case type, pathologist preference, etc.) before being routed to a pathologist. This provides the results to the pathologist when they open the case.



### Real-Time

AI provides real-time data for the pathologist to use when they choose to use it. Select which cases, and which images you want an algorithm run on directly within your workflow. This provides results in seconds for use in interpretation.



### QC or Second Read

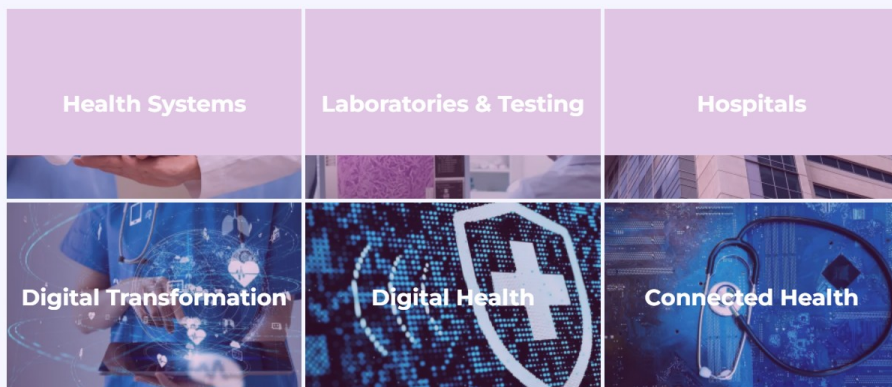
Labs can define when and which cases to run algorithms on after they have been diagnosed to reduce errors, identify missed or miss-diagnosis or simply to validate their accuracy for legal defensibility.

## AI & Machine Learning

PathFlow AI & Machine Learning solutions augment and enhance what a pathologist is able to see and the speed in which they are able to perform. It aides the pathologist with informed and efficient data, increasing diagnostic confidence with a more productive, efficient workflow. This frees pathologists from tedious, repetitive and manual tasks allowing them to focus on their expertise, providing invaluable experience and knowledge where it matters most to consistently deliver a higher quality of care.

[Learn More](#)

## Solutions For



Trusted By

## Because Time Matters

Gestalt's products and services are developed to streamline workflow, provide access to all relevant data and images along with the functionality to quickly and accurately reach a diagnosis and provide patients with faster access to treatment.

[Request A Demo](#)



\* Using the LDT guidelines for validation and verification.



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### Useful links

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Health Data Cloud

AI and Machine Learning

Ascent Cloud LIS

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- LIS Archive & Migration
- Reportable Disease & Cancer Reporting (ELR)
- Physician Lab Portal
- AI Requisition Engine
- Interfaces & Interoperability
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