tribun HEALTH

AIA
AI-APPS
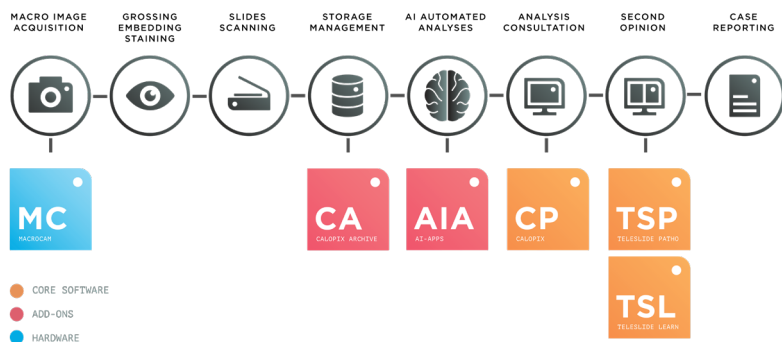
Mitosis by Tribun
BREAST

Mitosis detection in digital pathology is the process of identifying and counting the number of cells undergoing cell division, **which is a critical step in tissue growth and regeneration.** This information is of immense value for healthcare professionals because it allows them to better understand the rate of cell proliferation and thus serves as a prognostic tool for breast cancer particularly and other cancer types.

Mitosis by Tribun V 1.0 is a software-based in vitro medical device that utilizes artificial intelligence to support pathologists in determining the mitotic index in breast cancer by automatically detecting mitotic figures.

This algorithm is an integral part of Tribun Health's end-to-end AI-powered digital pathology platform to support cancer diagnosis. Our award-winning platform is designed to seamlessly run algorithms in its AI Apps suite.

TRIBUN HEALTH PLATFORM

MACRO IMAGE ACQUISITION	GROSSING EMBEDDING STAINING	SLIDES SCANNING	STORAGE MANAGEMENT	AI AUTOMATED ANALYSES	ANALYSIS CONSULTATION	SECOND OPINION	CASE REPORTING

MC MACROCAM

CA CALOPIX ARCHIVE   **AIA** AI-APPS   **CP** CALOPIX   **TSP** TELESLIDE PATHO

TSL TELESLIDE LEARN

- CORE SOFTWARE
- ADD-ONS
- HARDWARE

Advantages at a glance

Mitosis by Tribun helps

- Reduce interpretation variability
- Enable reproducible mitotic index
- Empower pathologists in finding mitosis
- Enhance the precision of mitotic count
- Increase the pathologist confidence
- Reduce pathologist's fatigue

Key Features

- Compatibility with HE and HES stains as well as most image formats.

- Trained on a representative database with more than 60k annotated mitotic figures on 8 different scanners.

- Demonstrated high scoring performance with a Pearson correlation coefficient of 0,97 in the determination of the mitotic density, compared to the pathologist score

- On-premise or Cloud installation available

- Seamless IMS integration

Pathologist Workflow Using Mitosis Algorithm
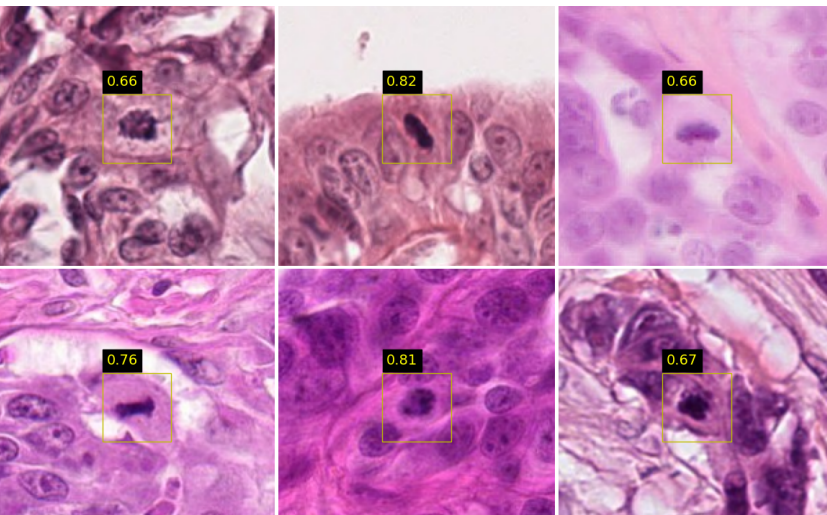
Select Image of interest ·····> Launch Mitosis Algorithm ·····> Review Analysis Results ·····> Medical Opinion & Report

Tribun Health's Mitosis algorithm supports the analysis of digital histopathology images and detecting mitotic figures in breast cancer. By doing so, it assists pathologists in making more accurate and timely results used to establish a diagnosis.

Upgrade your pathology practice with Tribun Health's AI-powered digital pathology solutions and experience improved report accuracy, streamlined workflows and better patient outcomes.

Contact us to schedule a product demonstration

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