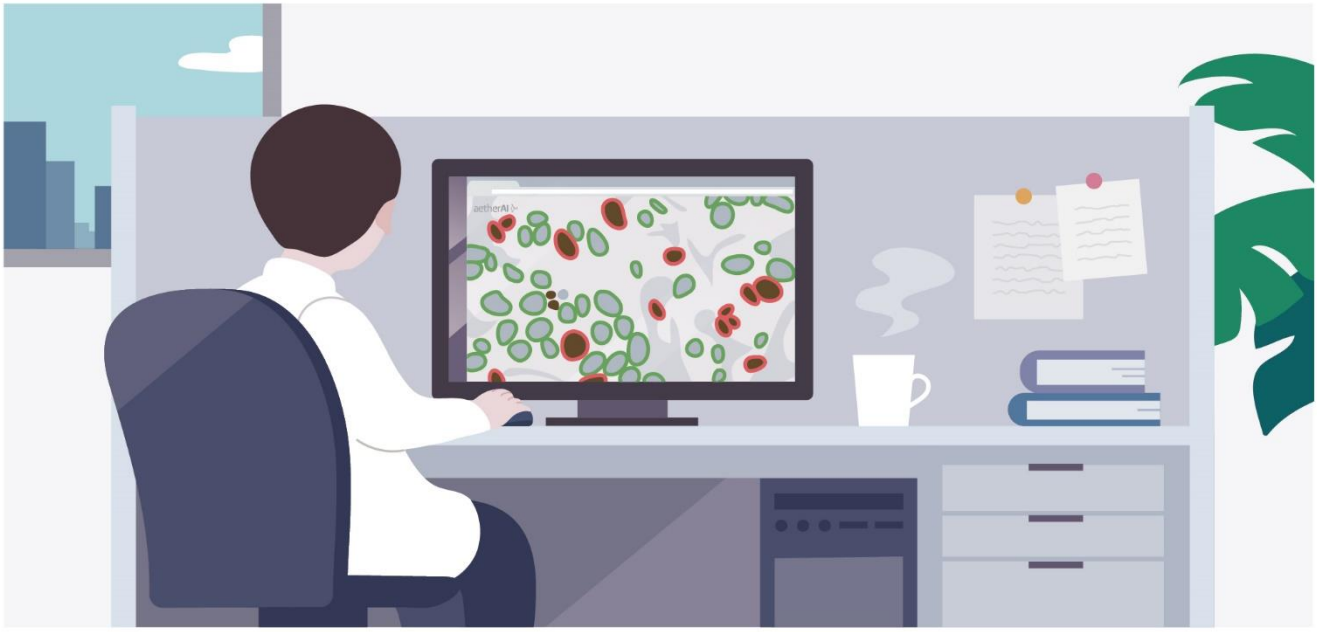
aetherAI IHC

Automated Ki67 Quantification

Ki-67 is a prognostic marker for breast cancer. Typically Ki-67 IHC index is calculated through manually counting several hundreds of cells from multiple high power fields. The results from manual counting have been known to be highly variable. To solve this issue, aetherAI leverages deep neural networks' superior ability in image recognition to achieve objective IHC quantification. Trained on vast amounts of carefully annotated immunohistochemistry images, aetherAI IHC is specifically developed to automate, expedite, and standardize measurement of IHC results, such as Ki-67 index.



Increased Consistency and Objectivity

Trained on annotated images verified by pathologists, aetherAI IHC is able to consistently provide quantification results for Ki-67 in various clinical scenarios with an average accuracy rate of more than 90%. aetherAI IHC detects individual cells and distinguish their staining status independently, giving objective and easily verifiable results.

Fully Integrated Workflow

With AI-enhanced workflow in mind, aetherAI IHC is fully integrated with aetherSlide, allowing pathologists to work seamlessly with AI wherever it can help. After the pathologist chooses areas for Ki-67 quantification, aetherAI IHC performs real-time inference and renders results over the original IHC image for verification, and generates detailed reports with key images in.

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