

ARIA DIAGNOSTICS, SIGTUPLE, AND FDAMAP COLLABORATE ON DIGITAL PATHOLOGY BREAKTHROUGH

INDIANAPOLIS, INDIANA, UNITED STATES, October 25, 2023 /EINPresswire.com/ -- Aria Diagnostics, a central clinical laboratory specializing in advanced diagnostic testing, announces the U.S. FDA 510(k) clearance for SigTuple's novel artificial intelligence based peripheral blood smear application AI100 with Shonit(TM), transforming disease detection and diagnosis. Aria Diagnostics served as the central laboratory for patient testing and platform validation testing while CRO, FDAMap, aided in project administration and management.

This approval marks a critical advancement in the world of clinical pathology. The AI100 with Shonit(TM) is an in-vitro diagnostic device designed to automate manual microscopy in a diagnostic laboratory by digitally imaging physical samples. SigTuple's advanced AI models extract and classify each cell into over 30 different cell types, providing precision and efficiency in the pathology diagnostic process.

For all hematological disorders, such as blood cancers, infections, anemia, and allergies, the microscopic examination of the peripheral blood smear (PBS) is the gold standard test, but microscopy today is predominantly a manual process, necessitating a highly skilled pathologist to be present on-site. At a time when only 14 qualified pathologists (1) exists per 1 million people, manners to increase the speed, consistency, and accuracy of digital pathology are crucial to improving patient care.

This device automates one of the last remaining manual pieces in the clinical review process, improving lab workflow (and thus throughput) and enabling remote pathology review. Through automation and purposeful AI, we can now expedite disease detection and diagnosis," said Vipin Adhlakha, President and Clinical Lead at Aria Diagnostics.

"This partnership signifies a new era in digital pathology," said Apurv Manjrekar, Chief Product Officer at SigTuple.

"Our collaboration with Aria Diagnostics and FDAMap reinforces our commitment to transforming healthcare by harnessing the power of artificial intelligence. Together, we are redefining the landscape of diagnostic testing, making it more accessible, efficient, and reliable for healthcare providers and patients alike."

For more information on AI100 with ShonitTM or specific research findings, contact info has

been provided below.

(1) <https://tinyurl.com/2yj8zhmu>

About Aria Diagnostics - Aria is a high complexity CLIA-certified & CAP-accredited commercial clinical laboratory that offers an integrated diagnostic approach to patient testing. Read more at <https://www.ariadx.com/>

About Sigtuple - Sigtuple Technologies builds intelligent screening solutions to aid diagnosis through robotics and AI-powered analysis of visual medical data. Read more at <https://sigtuple.com/>

About FDAMap - FDAMap is a Maryland-based CRO that consists of a group of clinical industry experts in healthcare and food regulations, business, and public policy. Read more at <https://fdamapclinical.com/>

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