

The New Kid on the Block:
**Implementation of the Newly FDA-Cleared Scpio
Labs™ X100 with Full Field Peripheral Blood Smear
Application for Research and Training During the
COVID-19 Pandemic**



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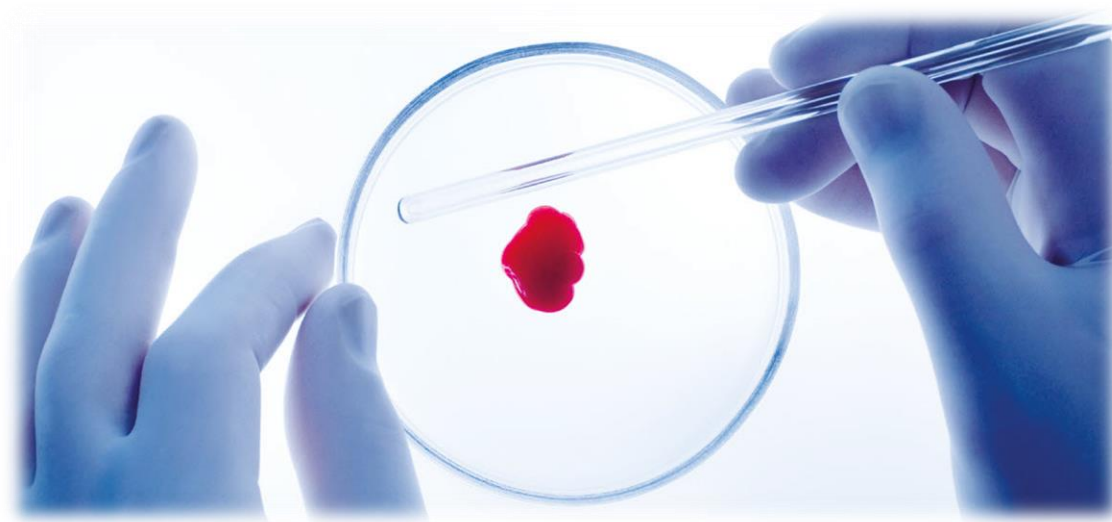


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 **USCAP**
Creating a Better Pathologist

DISCLOSURE

The authors of this abstract have indicated that they have no conflicts of interest that relate to the content of the material being presented



BACKGROUND

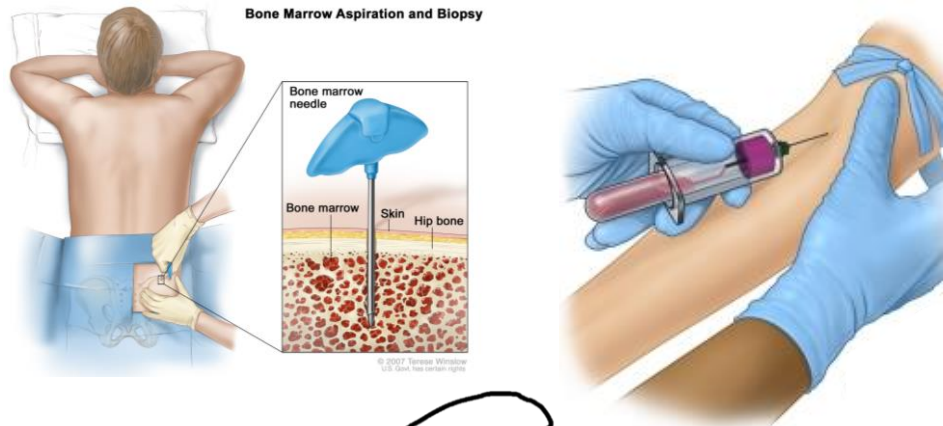
- **Digital pathology** and **artificial intelligence** (AI) is a rapidly growing field of Pathology.
- A growing number of institutes have integrated digital imaging into routine workflow, relying on **AI algorithms** for the detection of prostate cancer, mitotic figure enumeration and evaluating degree of glomerular disease.
- Despite advances of Whole Slide Imaging (WSI) for tissue evaluation, the field of **Hematopathology** and **Cytology** has lagged behind other subspecialties.

BACKGROUND

- The new **Scopio Labs X100** digital imaging instrument was implemented, which provides high resolution oil-immersion level images, allowing for **clear** and **accurate** detection of single cells in body fluid smears with **high fidelity**.

To the best of our knowledge, we are first among a handful of institutions to implement the **Scopio Labs X100 digital slide imaging** for bone marrow aspirates (BMA), cytology and peripheral blood smears (PBS) for research and training purposes.

Bone Marrow Aspiration and Biopsy

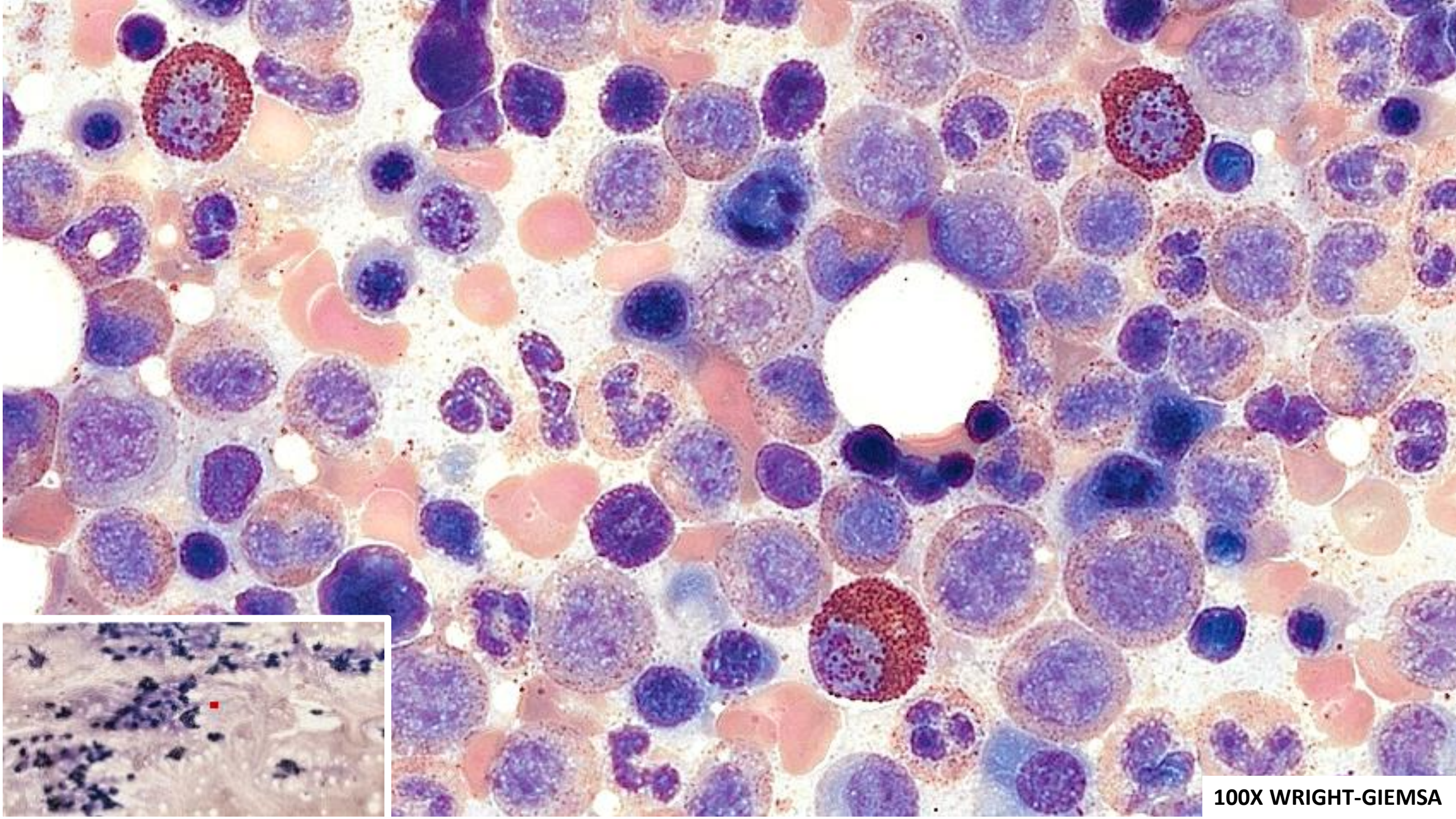


DESIGN

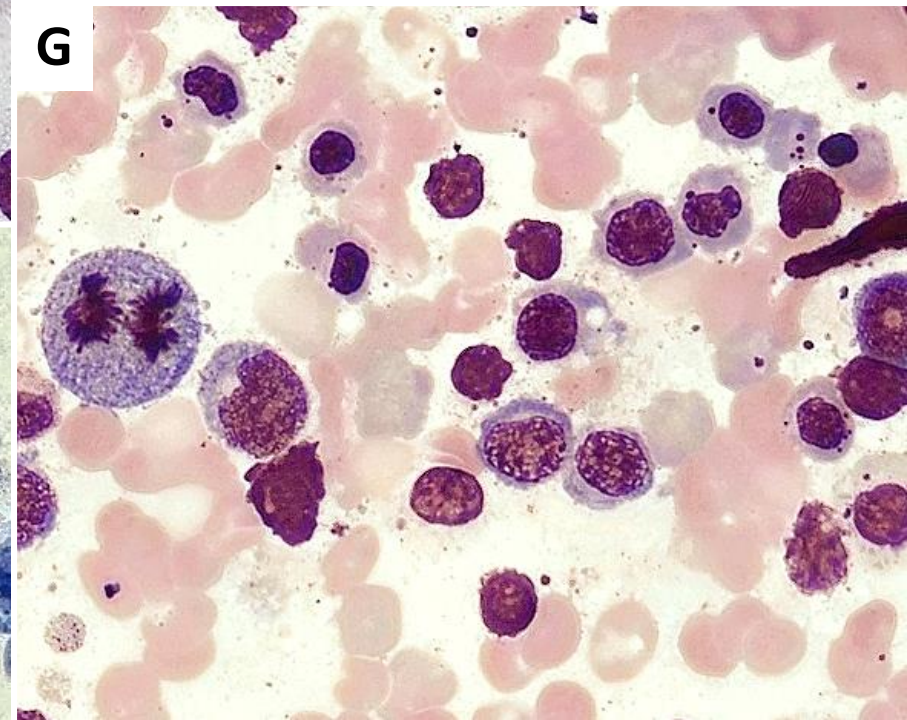
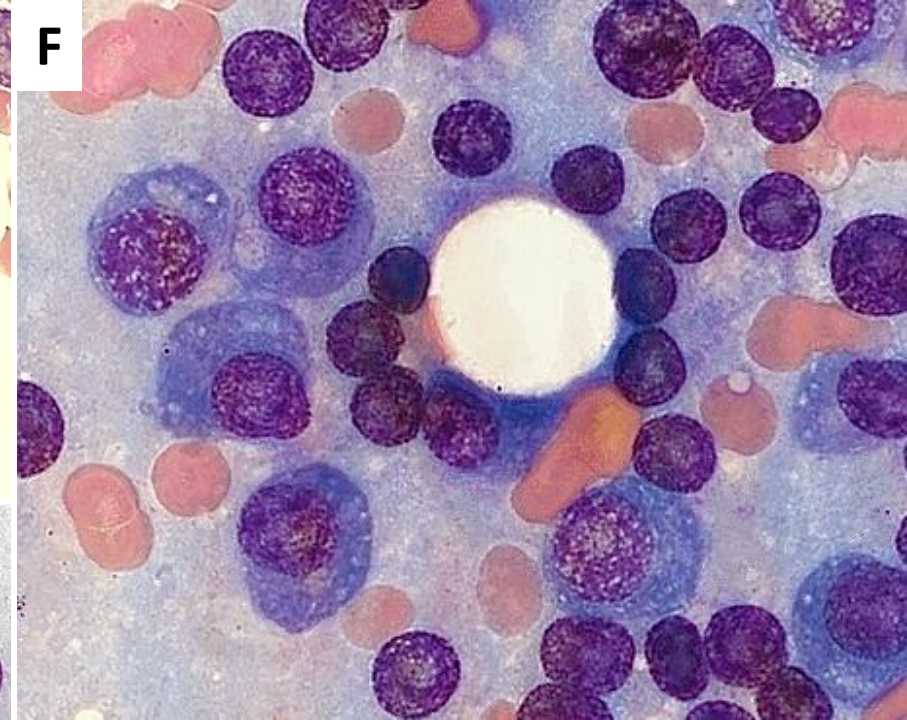
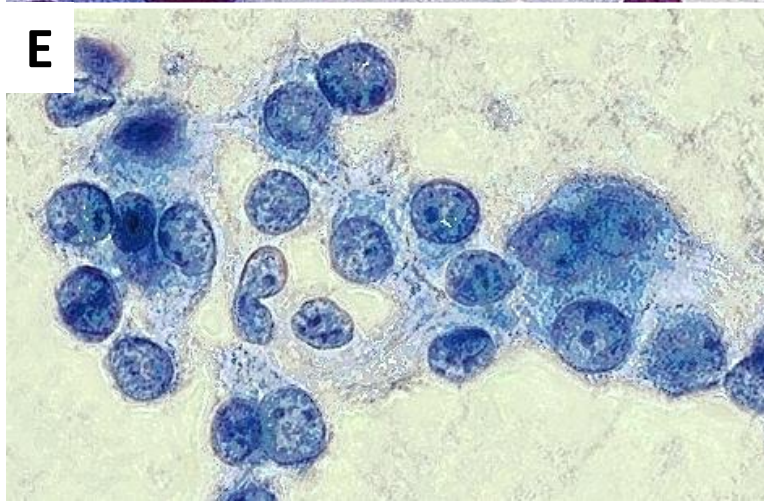
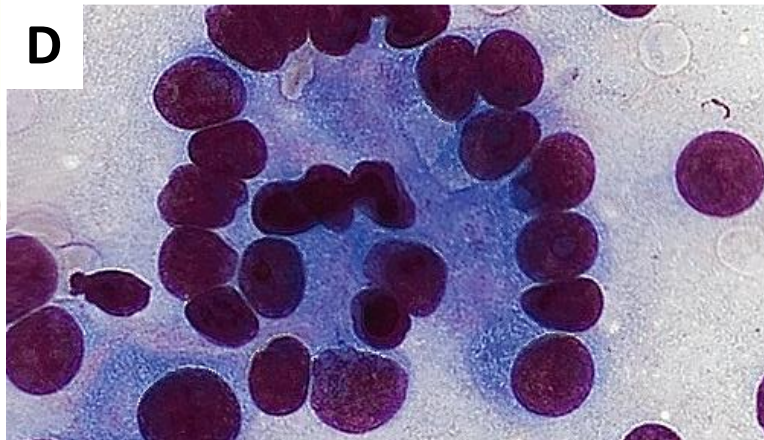
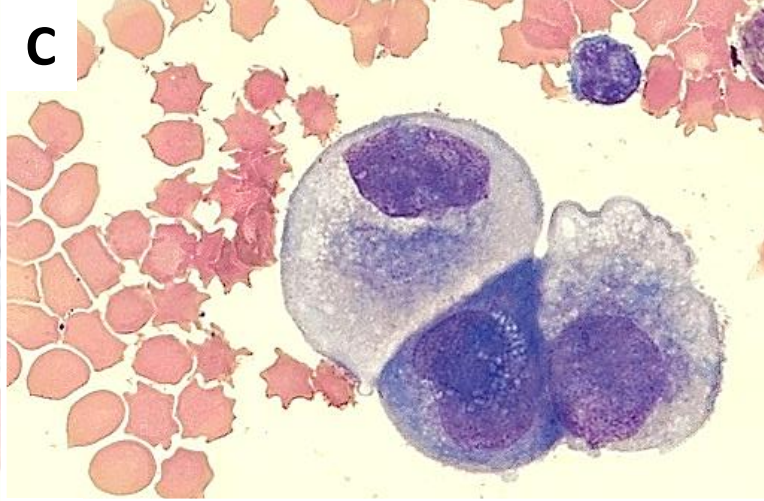
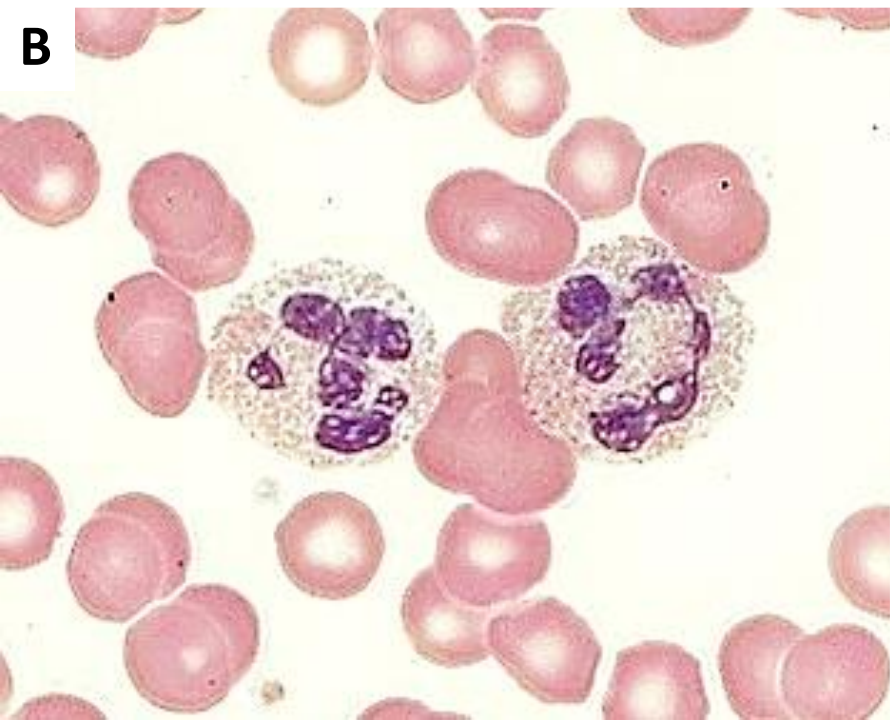
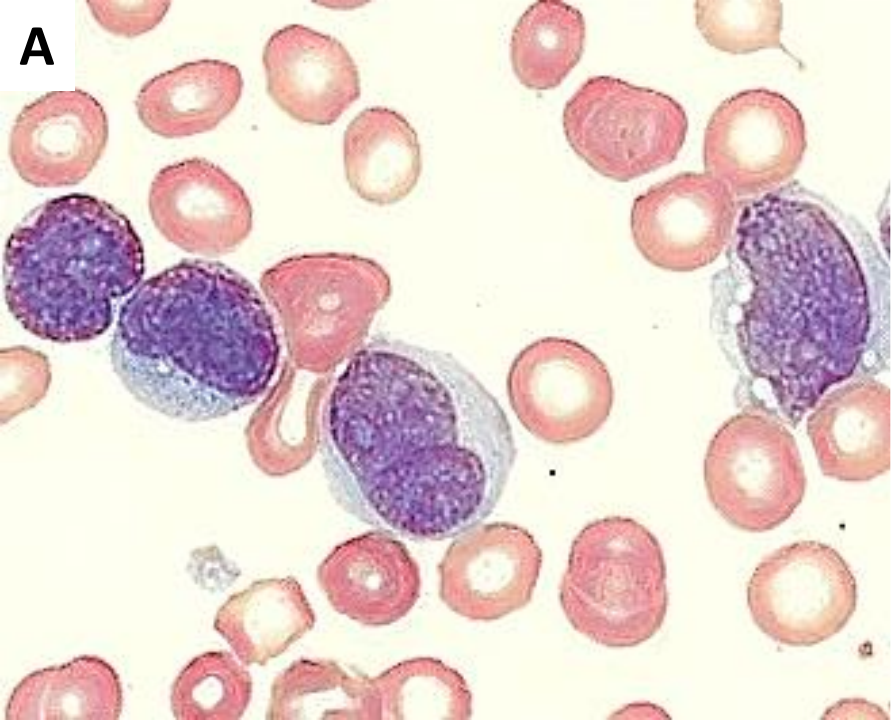


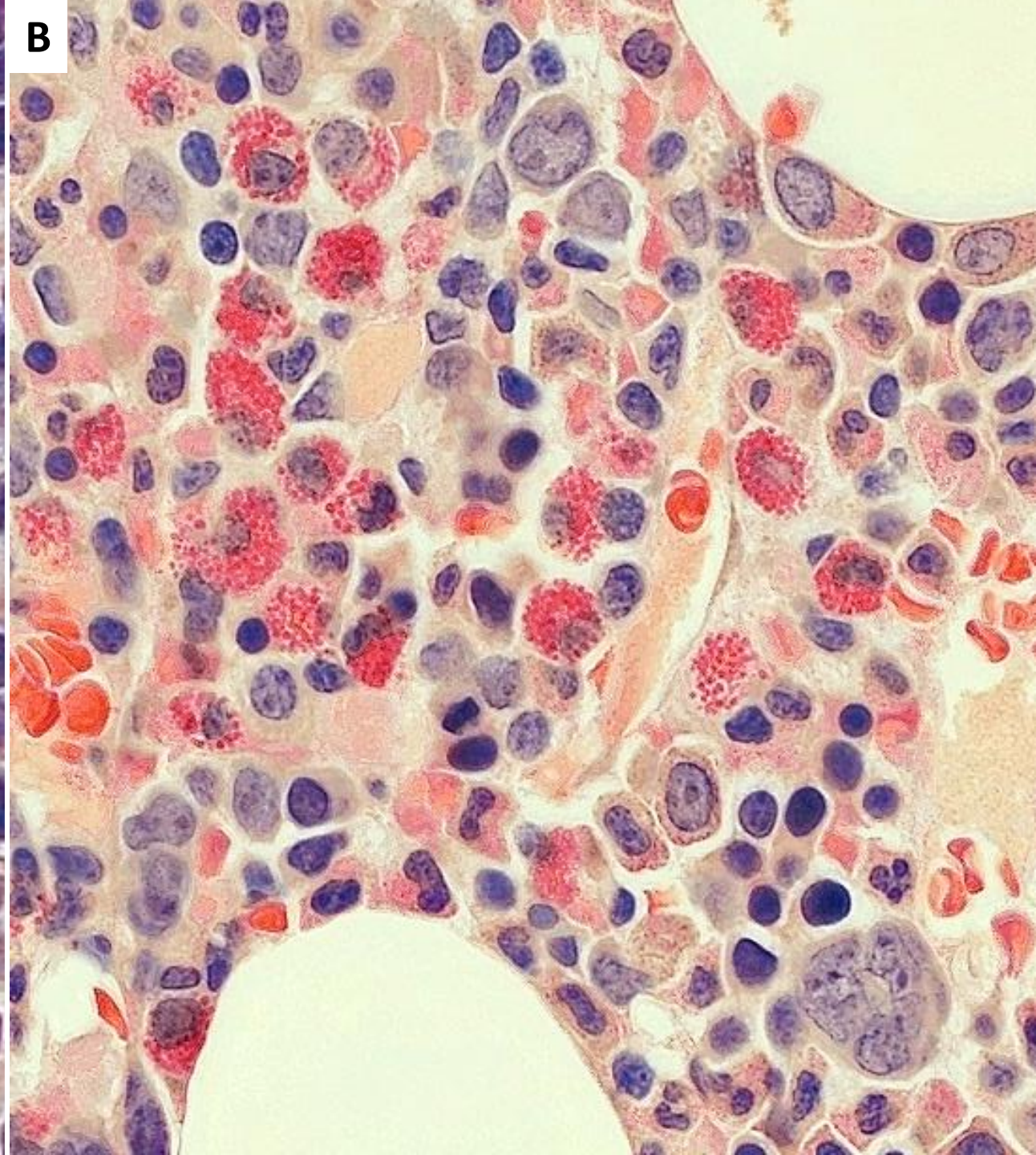
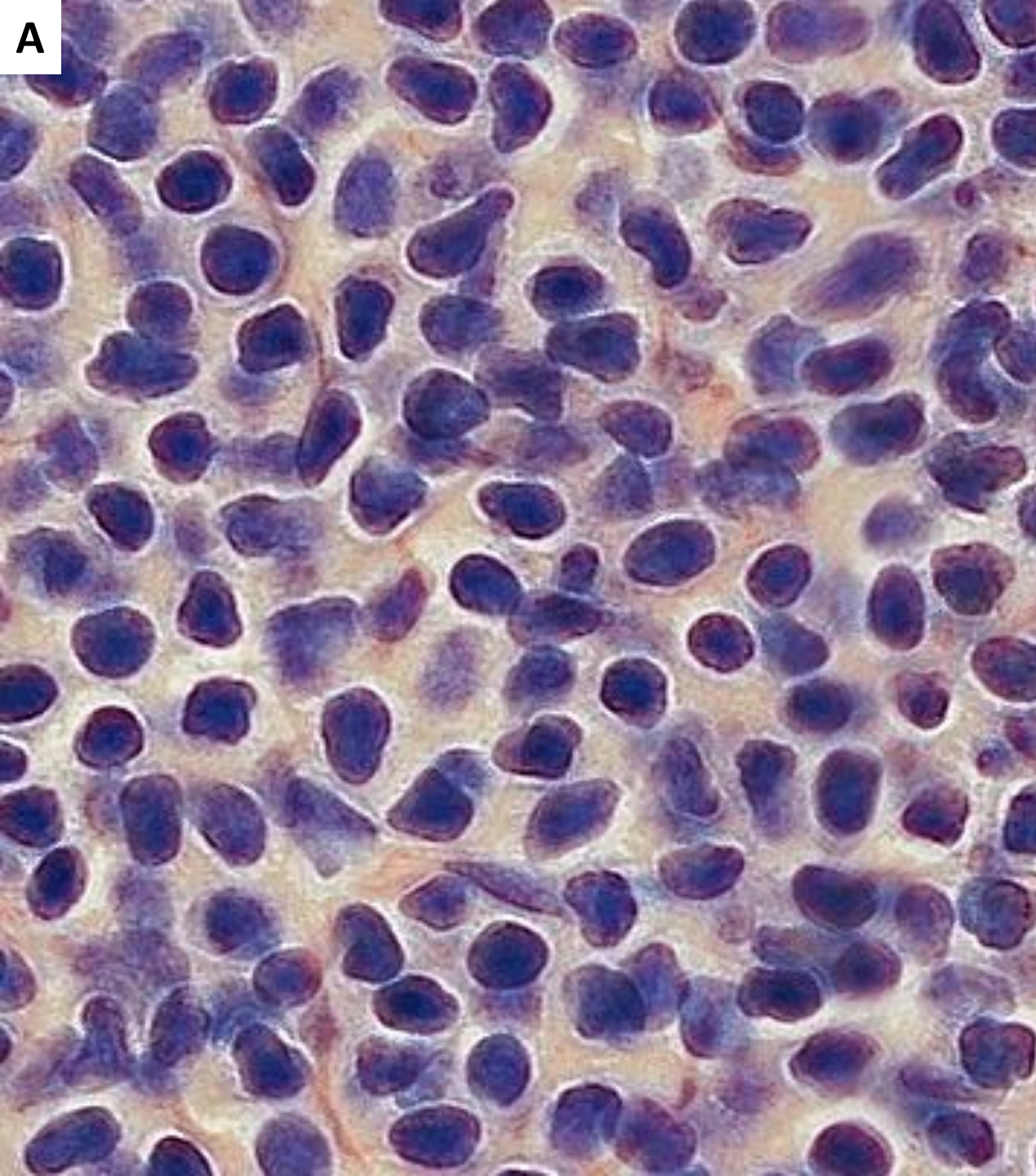
https://mma.prnewswire.com/media/1160909/Scopio_Labs_X100.html

****Data obtained was covered under an IRB waiver, HS#:12-00133 GCO#1:12-036(0001-08)****



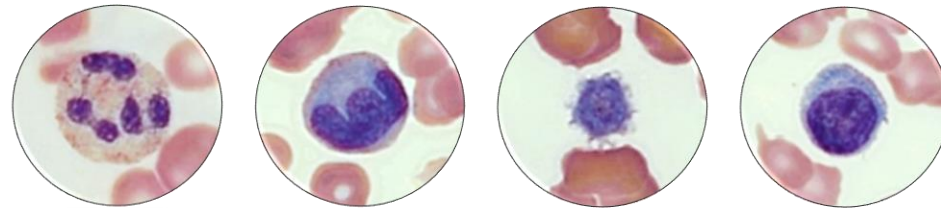
100X WRIGHT-GIEMSA





CONCLUSION

- The Scopio Labs X100 digital system is an **accurate** and **efficient** web-based digital tool and image bank to accommodate the social distancing challenges during the COVID-19 pandemic for **Hematologists, Hematopathologists, Cytopathologists** and **trainees** alike.
- With its recent **FDA-clearance**, we aim to fully integrate Scopio Labs into our LIS and assess the full field PBS application to streamline our workflow.





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THANK YOU