

AI assisted Digital Pathology

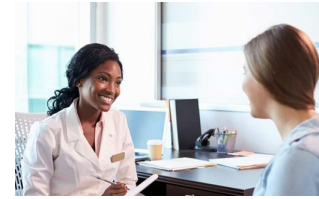
Tomáš Brázdil

Challenges in Pathology

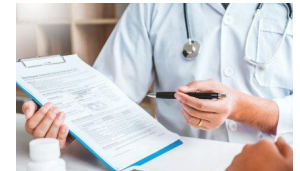
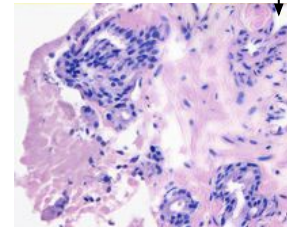
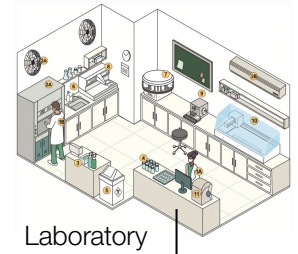
- **Laborious and time-consuming**
routine effort
- **Few experienced pathologists**
- **Increasing workload**
cancer screening programs
- **Human error prone**
tired pathologist

timely diagnosis → lives saved

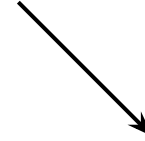
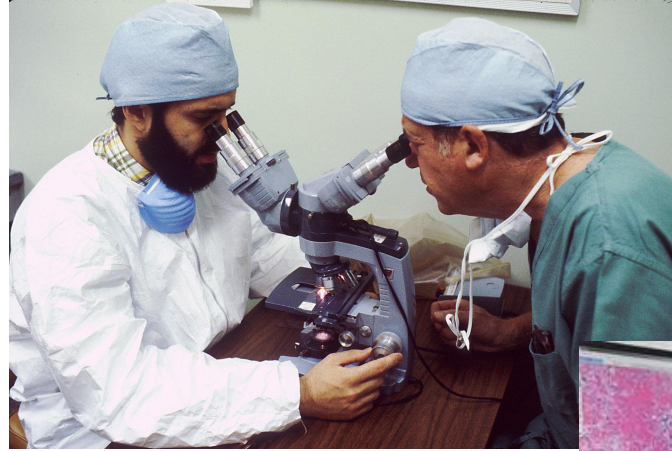
productivity → cost saving



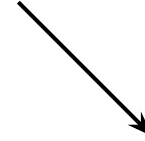
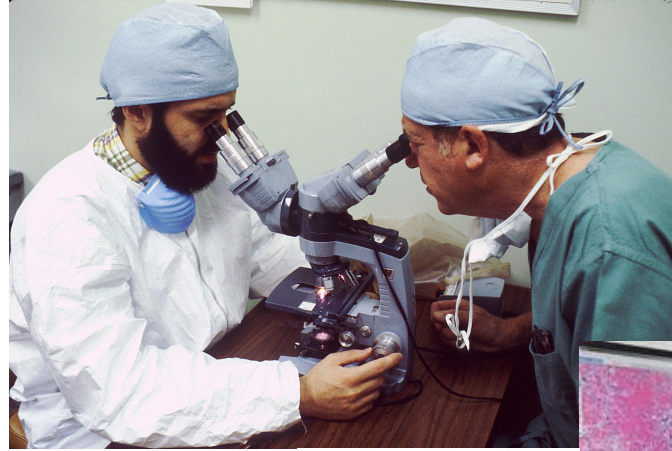
Tissue sample



Pathology is becoming digital



Pathology is becoming digital



and **AI assisted!**

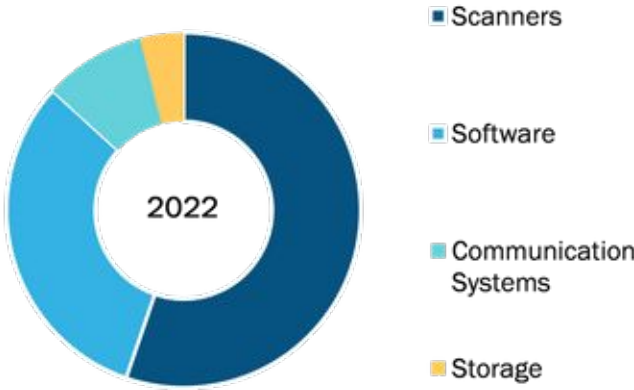


Global Digital Pathology Market

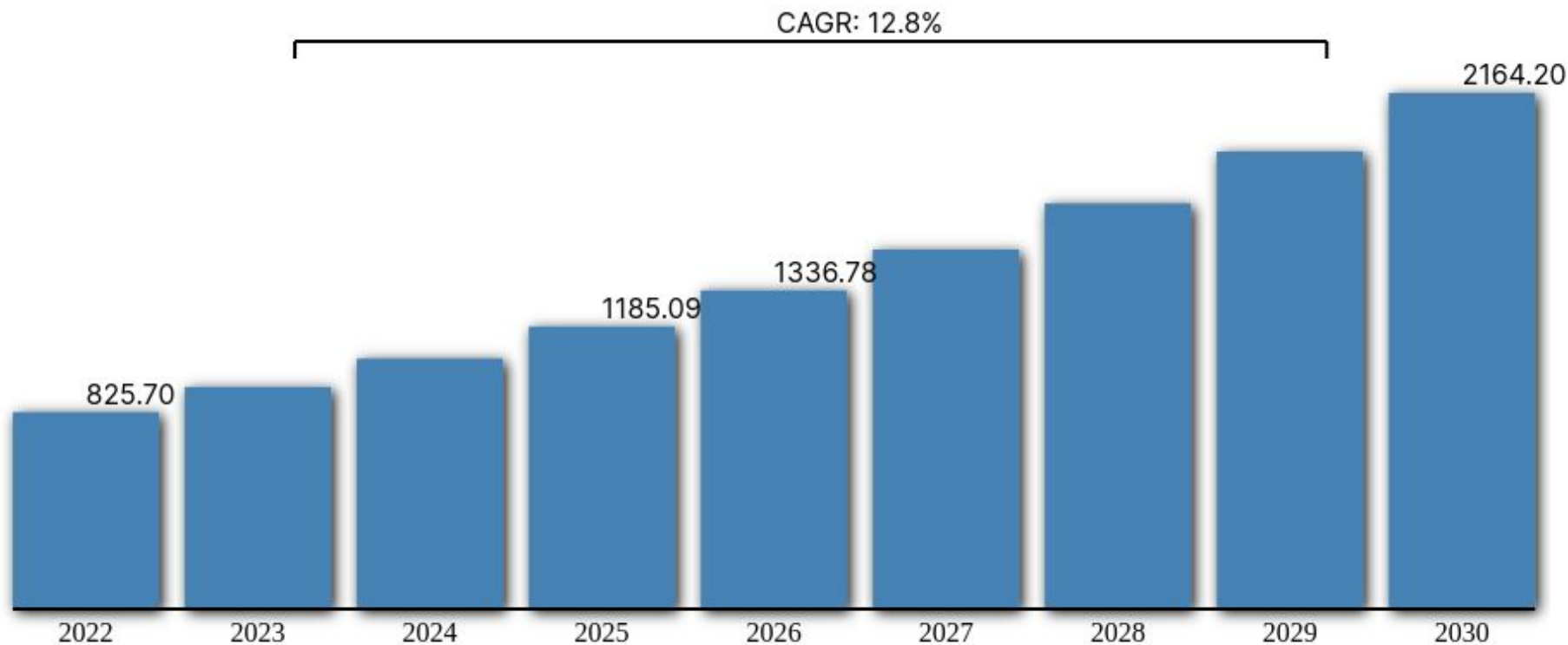
By End User



By Product



Digital Pathology Market Size, 2022 To 2030 (USD Million)



AI in Digital Pathology currently makes approx. \$24 million



M U N I

- Research group in **AI assisted digital pathology**
 - Online tools for prostate cancer detection, etc.
- Approx. 20 team members from
 - Masaryk University,
Computer science, powerful **computing facilities**
 - Masaryk Memorial Cancer Institute,
National Oncology Center, **top oncology** in Czech republic
 - Medical University Graz
Large pathology department, **huge biobank**
- I am a co-founder and the head of RationAI

