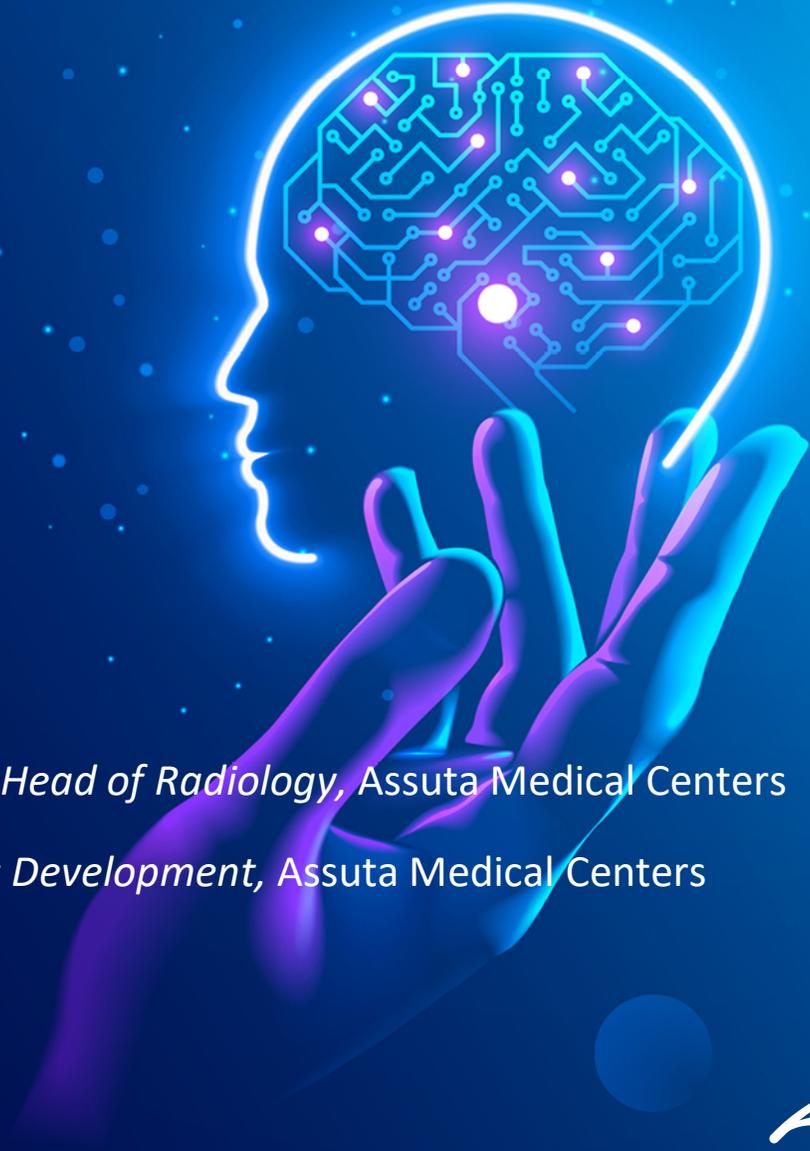


Developing AI in clinical settings



Dr. Michal Guindy

Head of Ventures and Innovation & Head of Radiology, Assuta Medical Centers

Daniel Rabina

Director of Innovation and Ventures Development, Assuta Medical Centers

Tom Valent

VP Business Development, Aidoc

Dr. Ittai Dayan

Co-founder & CEO, Rhino Health

Assuta Medical Centers

Israel's largest and leading chain of private hospitals
and medical centers



8 medical facilities
nationwide



More than 1.25 Million
patients annually

Vision and Values



People Centered



Unique Health
Experience



Human Dignity
and Privacy



Pursuit of Quality
and Excellence



Comprehensive, Precise Data

100,000+ Surgeries Performed Annually

17,000

orthopedic
procedures

15,000

otolaryngologic
procedures

13,000

gynecologic
procedures

9,000

ophthalmologic
procedures

9,000

urologic
procedures

4,000

bariatric
procedures

4,000

cardiac
catheterization and
electrophysiology
procedures

1,000

cardiac chest
surgeries

800,000+ Diagnostic Tests and Procedures Carried Out Each Year



200,000

CT scans

100,000

MRI scans

216,000

pathological tests

160,000

colonoscopies

150,000

ophthalmology tests

290,000

mammographies

50,000

DEXA scans



100,000+ Specialized Treatments Completed Yearly



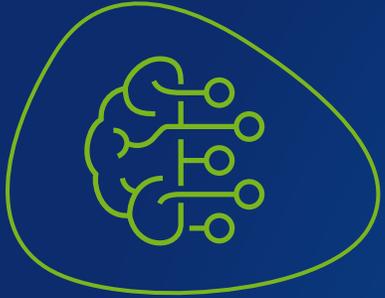
21,000
IVF cycles



40,000
radiotherapy treatments

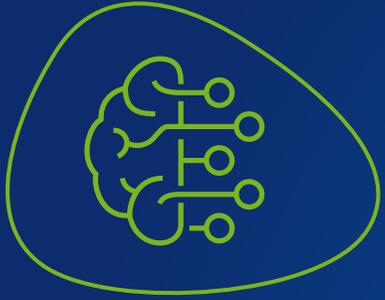


13,000
oncologic patients



AI is affecting healthcare delivery

- Point of care
- Precision medicine
- Patient role and autonomy
- Physician role
- Source of knowledge - social media etc.



AI solutions are already affecting global healthcare delivery

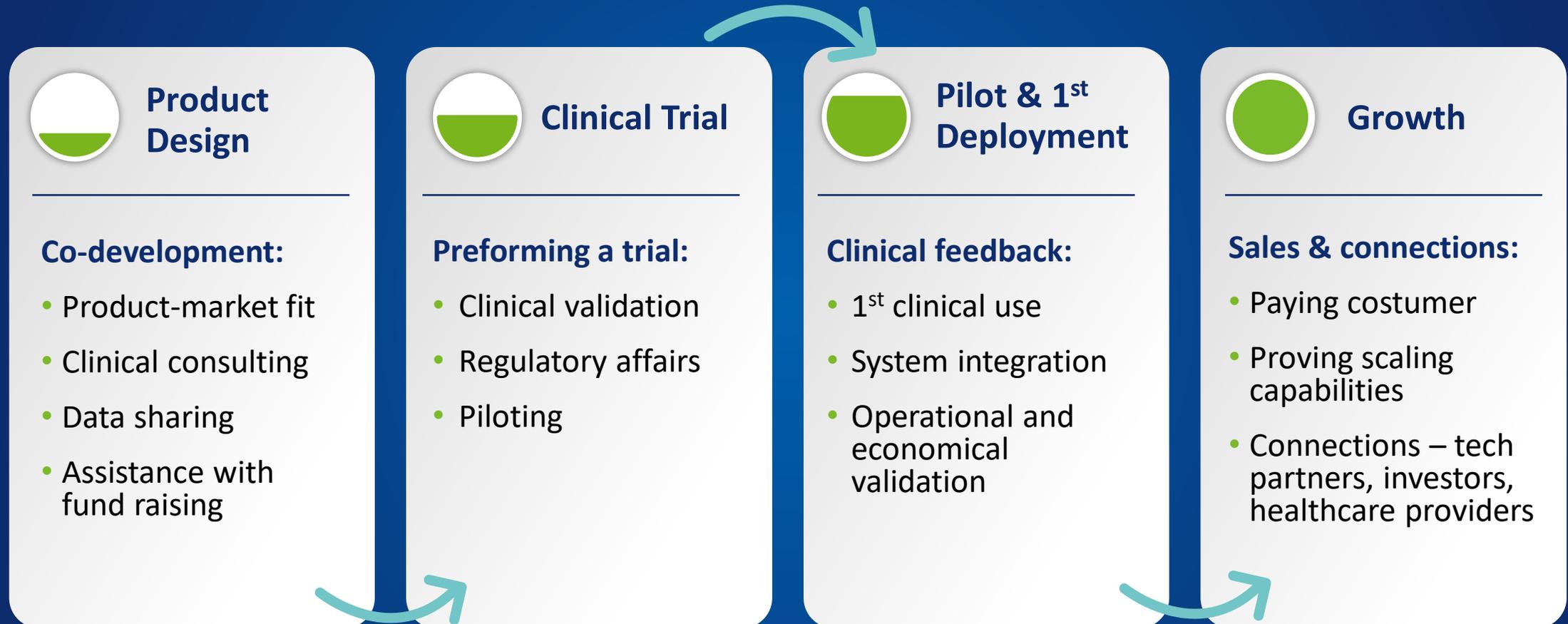
- AI enabled population health
- Frontline health workers virtual care assistance
- Patients' virtual care assistance
- Physician clinical decision support tools

Assuta teams with Nvidia on healthcare AI

- Assuta Medical Centers has launched an innovation center in collaboration with Nvidia. The center is intended to enable startups and medical researchers to carry out research and development of artificial intelligence-based solutions.



Clinical collaboration is crucial for success



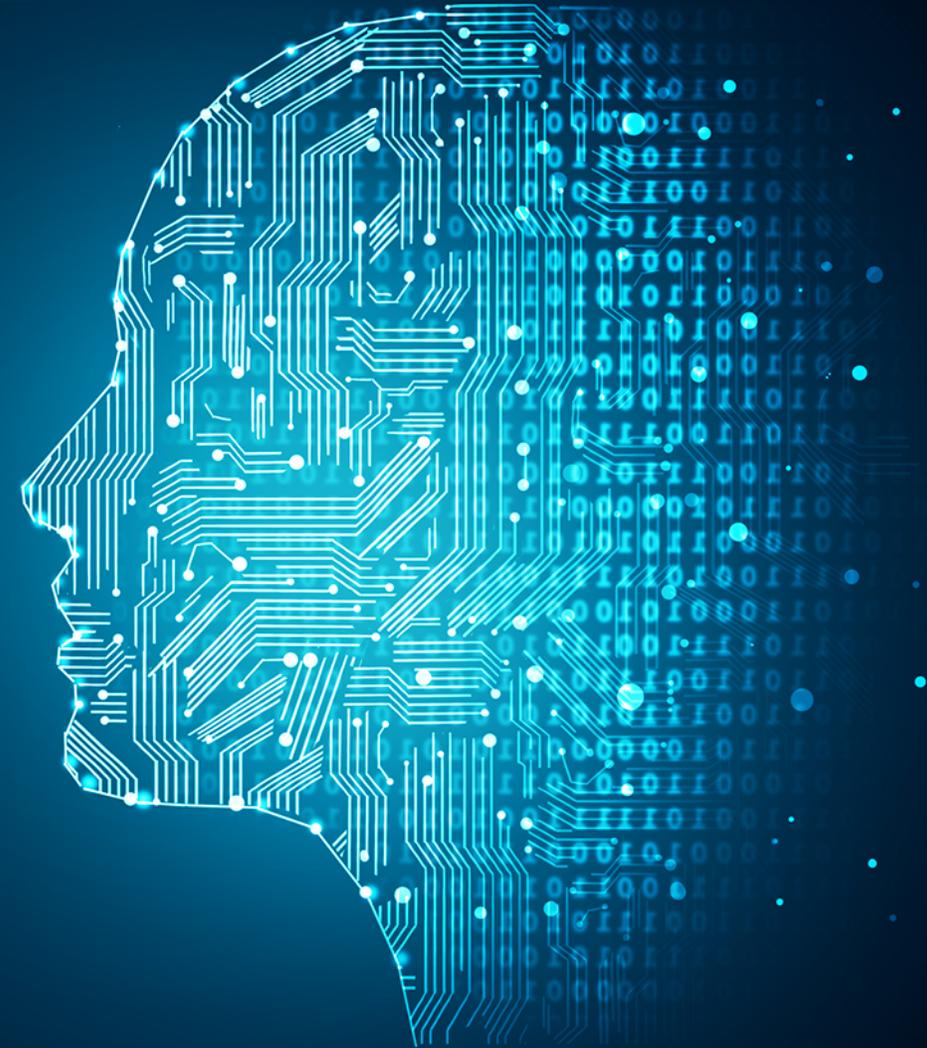
Establishing a development center for artificial intelligence companies

- "Today, we are working intensively with twenty companies, three of which have already received data using the Nvidia system , while four others will receive data within a few months."
- Dr. Michal Guindy, Head of Ventures and Innovation & Head of Radiology, Director of the Innovation Center



Assuta AI

- **A dedicated sandbox environment for AI developers and researchers**
 - Secure access to deidentified data
 - Strong on premises capabilities – NVIDIA DGX A-100, ...
 - Scalable cloud environments – AWS
 - Multiple tools for developers, such as Clara, + BYO
- **Enables collaboration with Assuta across development phases**
 - Data preparation + Modeling
 - Retrospective analysis
 - Real time inferencing and validation with medical teams



Celebrating our DGX A-100 deployment



What influences success of AI companies?

- Data quality
- Use case
- Business model
- Ethics and privacy
- Regulations
- Ground truth
- Comparing solutions
- Clinical partner 😊

Critical Success factors

- Provider motivation: What motivates providers to invest in AI innovation? Better care, better prediction, reduction of uncertainty, increased efficiency, image and reputation
- Collaboration with clinicians
- Collaboration with industry
- Collaboration with researchers
- Focusing on the practical – significant “value added”

Thank you!

Feel free to contact us:

Dr. Michal Guindy michalgu@assuta.co.il

Daniel Rabina danielrab@assuta.co.il

