



Hur kan ett optimerat arbetsflöde bidra till ökad kvalitet?

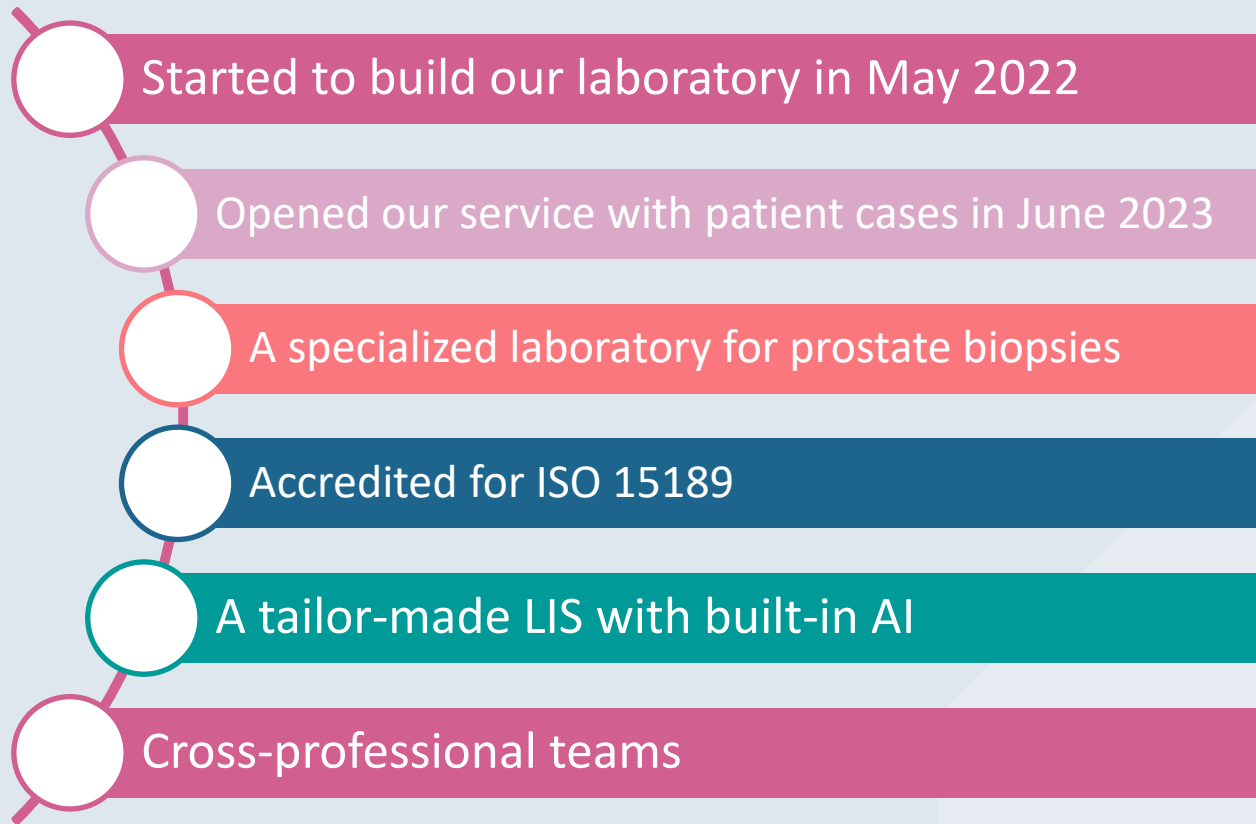
2024-11-20

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Inify Laboratories



What is quality?

That every patient gets their diagnosis in the right time with consistency and accuracy regardless of geographic or interpretive differences

Diagnosis that can't be misinterpreted

How do we achieve that?

Standardised and controlled workflow

Diagnostic manual that is translated into our AI

Excellent work environment = stable workforce



Inify
Laboratories


Standardize and monitor!



Variations in tissue preparation that can affect the final image/diagnosis

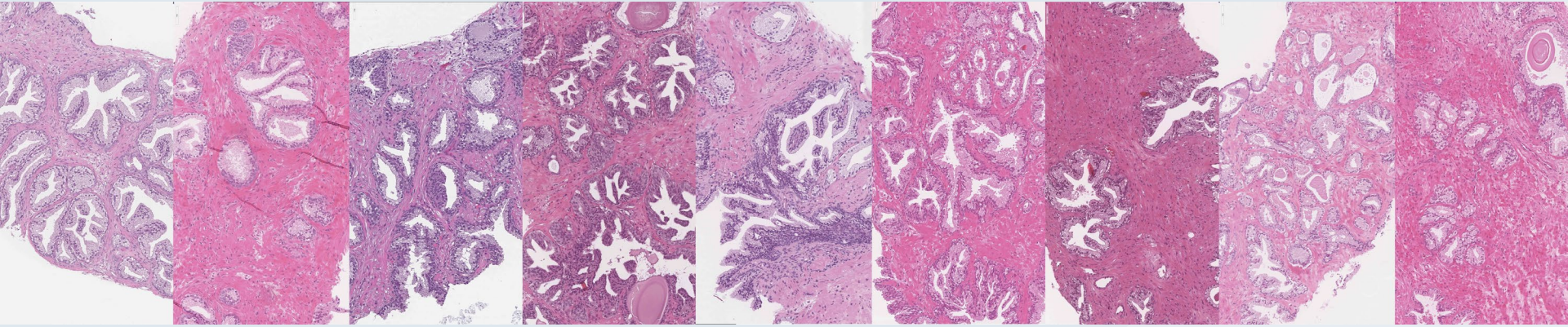
- Tissue handling
- Fixation
- Dehydration
- Embedding
- Sectioning
- Staining
- Scanner/microscope/monitor
- Pathologist and workspace





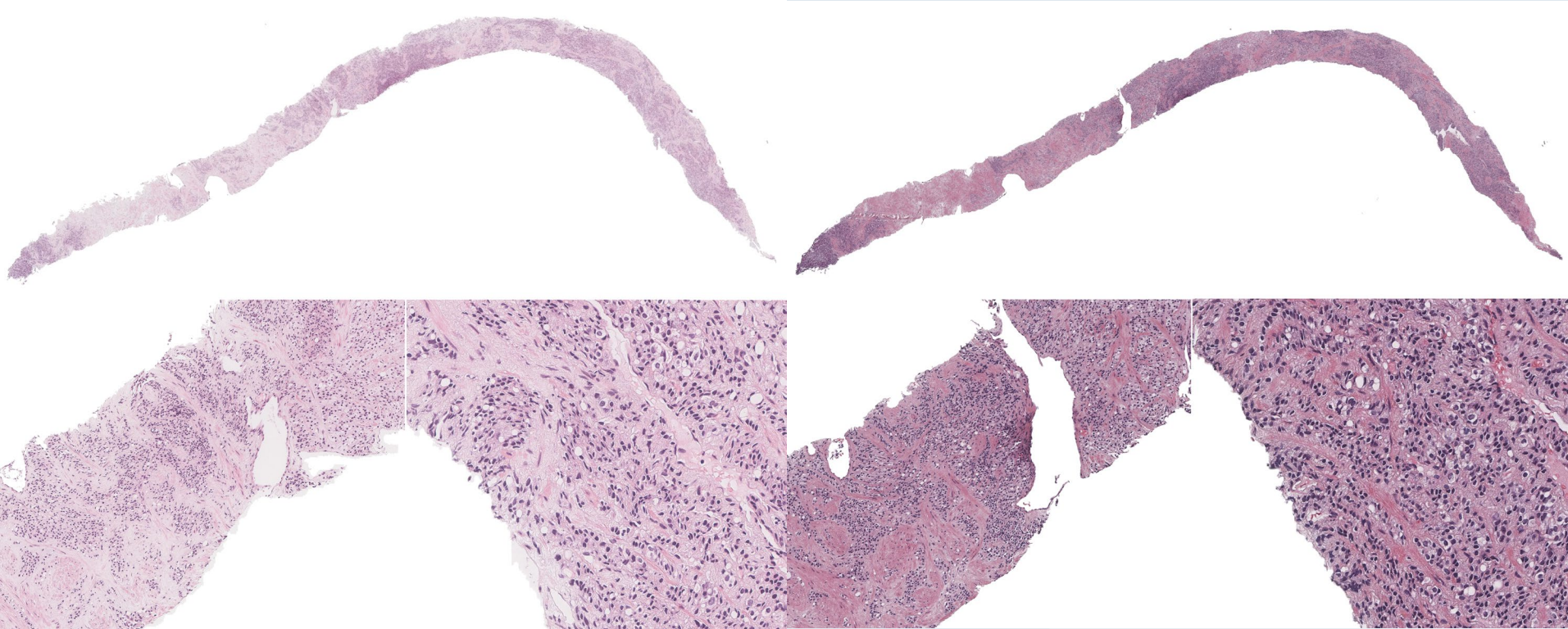
Every laboratory has its own
staining

Staining varies from day to day



Samples from January to October in one lab

If the same sample is stained in different hospitals...



...it can get different diagnosis

- Annotated by the same pathologist



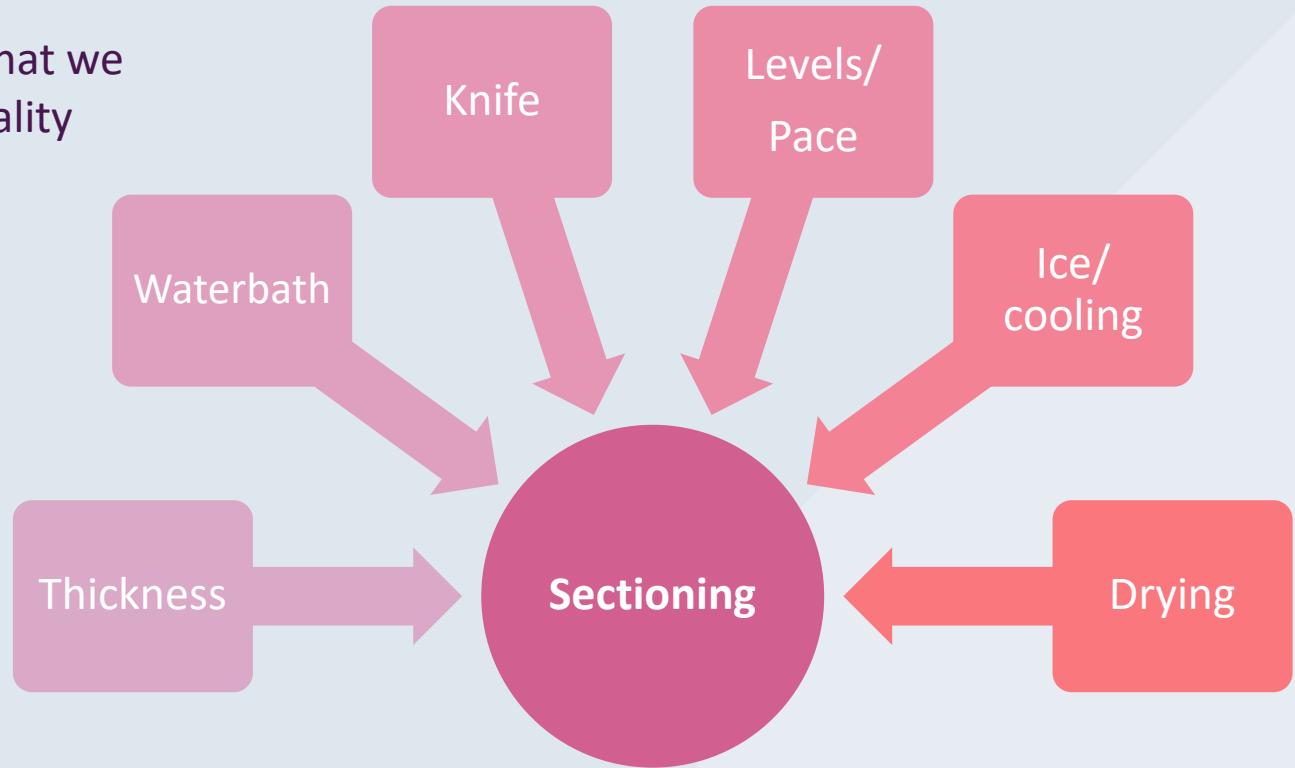
36% cancer
Gleason 5+4

50% cancer
Gleason 4+5

Workflow

How can we make sure that we have the same image quality every day/month/year?

Standardization and quality control





SPC

- Image quality parameters
- Other quality and efficiency parameters
- Deviations
- Trend analysis
- CAPA
- Continuous improvement
- System engineering



Inify
Laboratories

A completely new
laboratory concept



Building an ultramodern lab from scratch

Premises tailor made for the specific operations

IT tools custom made and adapted to support lab technicians, pathologists & urologists

Powerful support by reliable AI

Top modern equipment selected to support the digital workflow

100% Specialization on selected cancer types

Instead of adding features we have simplified

Continuous improvements – based on systems engineering

Risk based

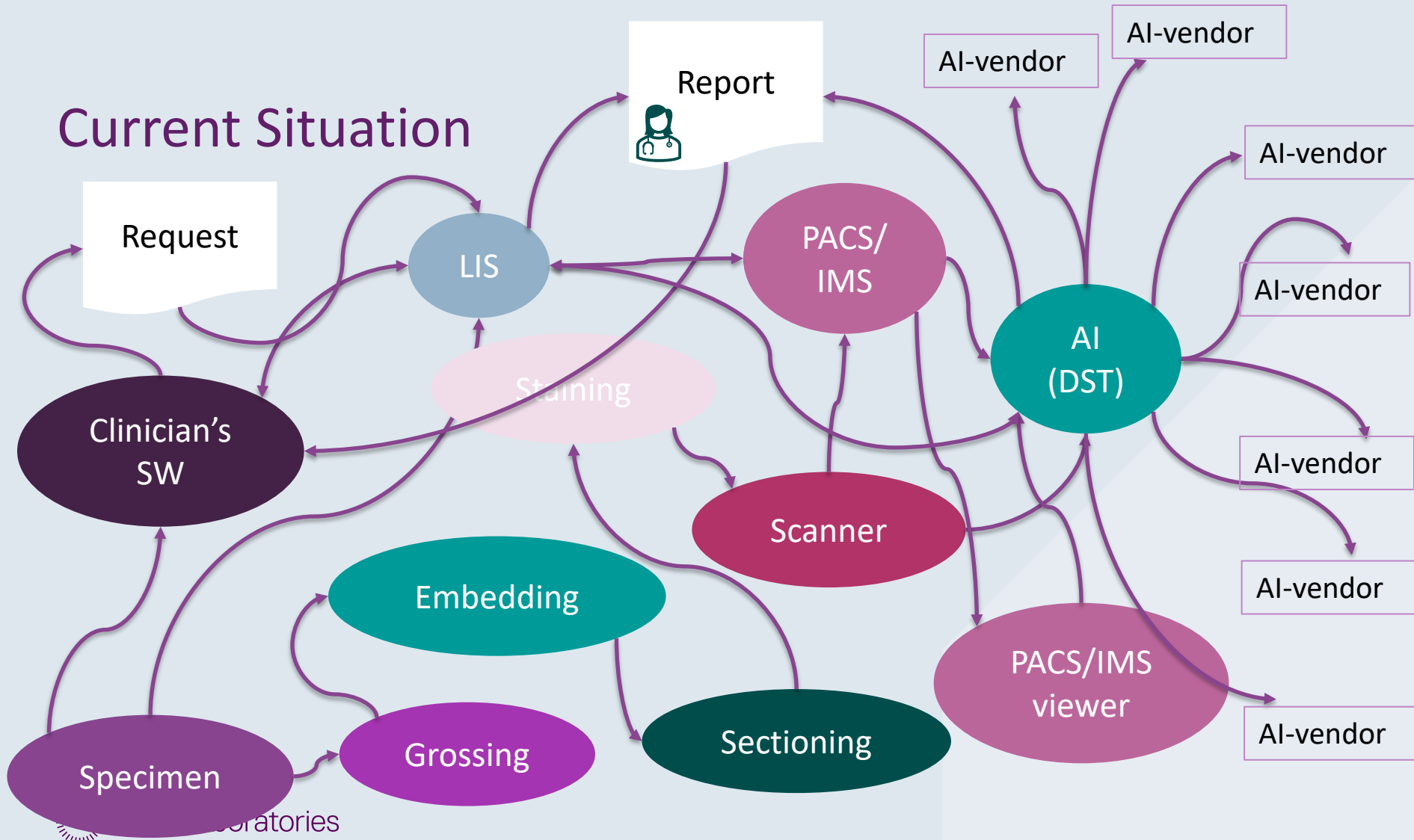
Seamless integrations between IT-systems

What are computers good at vs people?

What's really creating value for the patient and the customer?

Cross functional teams and cross functional partners

Current Situation



Operations at Inify

A photograph of four people in a laboratory or office setting. A man with long blonde hair and a beard is leaning over a woman wearing a brown hijab and glasses. They are both looking at a computer monitor. Another man with a dark beard and a woman with brown hair and glasses are also looking at the screen. The background shows laboratory equipment and glass partitions.

LIS- one system to rule them ALL

- Looked at 9 different LIS systems
- 2 important requirements
 - Be able to adapt the LIS according to our workflow
 - Make changes at our own pace – meaning often!
- That led us to develop our own LIS system
- 6 system releases every year with new features/improvements

The laboratory is
in the center of
the development

Efficiency and patient safety in every step

Same ID through the whole system – no relabelling

Registration in every step with barcodes or QR-codes

On demand printing

Ergonomical work place

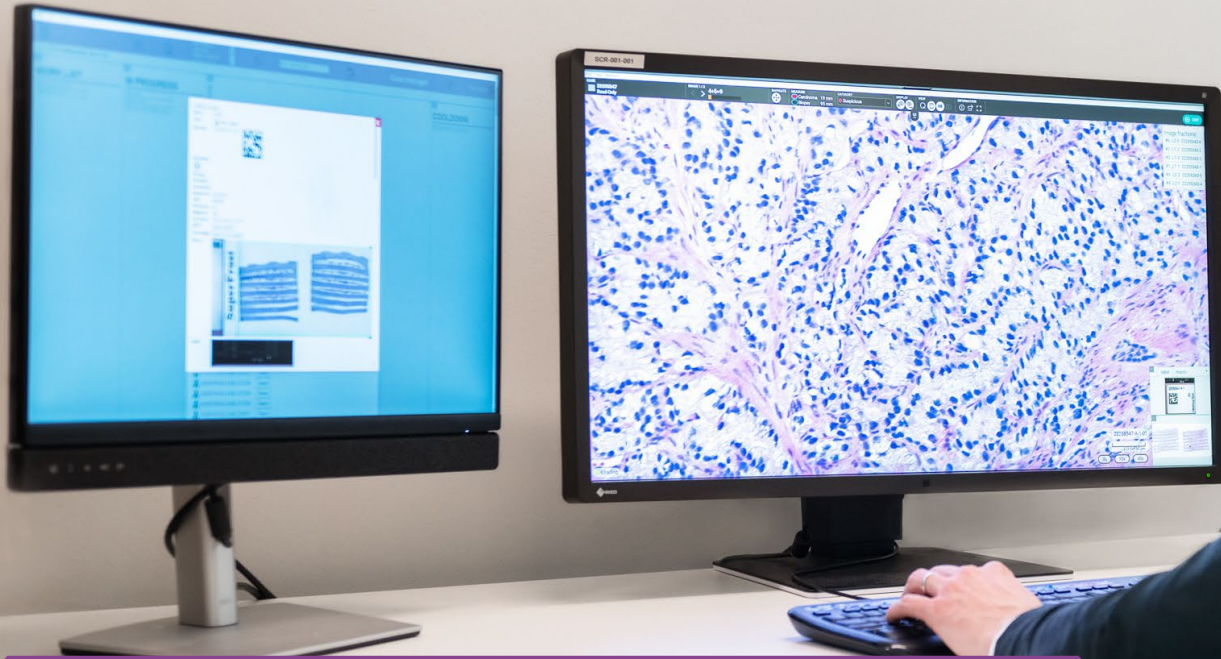
Ventilated benches and drains for chemicals

Chemicals is pumped up from the basement

No smells of chemicals or noise



Standardized Diagnosis



Crucial for ensuring
consistent and accurate results



Accuracy through world-leading AI assistance

- Minimizing the risk of missing cancer or classifying findings wrong
- Inify Certified pathologist signs out all cases
- Combined with AI verified by group of specialized uropathologists worldwide
- Diagnostic Manual

Structured report

Developed with
urologists

1-step reporting

Structured fields

Inify Laboratories
Inify Laboratories
Scheeles väg 3
171 65 Solna
www.inify.com
Sida 1 av 4

Remiss ID 10019853
Biobank? Nej
Personnr. 1212121212
Patient namn Tolvan Tolvan
Skickat 2023-05-05

Remitterande Klinik Inify Laboratories (Lab)
Remitterande läkare Tretina Svensson
Telefon 013-13131313

Diagnos för Remiss ID: 10019853
#1-12 (systematiska biopsier): Biopsi med 30/5/161 mm Acinärt Adenocarcinom i 6 av 12 biopsier. Gleasonsumma 3 + 4 = 7. ISUP-grad 2. Gr 4: 25%. Högradig PIN. Intraductal carcinom. Perineural tumörväxt.

FRÅN SIDAN
A = bas
B = mitt
C = apex
v = ventral/framsida
d = dorsalt/ryggsida

TVÄRSNITT
A höger vänster
B höger vänster
C höger vänster

Grad Grupp (ISUP-grad) **Cancer längd / Total biopsi längd** **% Gleason 4** **% Gleason 5**

Grad Grupp (ISUP-grad)	Cancer längd / Total biopsi längd	% Gleason 4	% Gleason 5
2	9 / 14	20%	
3	4 / 13	60%	
2	6 / 11	30%	
2	8 / 16	20%	
	- / 10		
	- / 9		
	- / 15		
	- / 11		
1	1.5 / 12		
1	2 / 14		

Gleasonsumma 3 + 4 = 7. ISUP-grad 2.
nom. Gleasonsumma 4 + 3 = 7. ISUP-grad 3.
m. Gleasonsumma 3 + 4 = 7. ISUP-grad 2.
n. Gleasonsumma 3 + 4 = 7. ISUP-grad 2.
Gleasonsumma 3 + 3 = 6. ISUP-grad 1. Högradig PIN.
leasonsumma 3 + 3 = 6. ISUP-grad 1.
t Adenocarcinom i 6 av 12 biopsier. Gleasonsumma 3 + 4 = 7. Perineural tumörväxt.



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Laboratories

What are the results?



For customers and patients

Customer with median time **21 days**
from biopsy to result communicated to patients
during 2022 now have a median time of **9**
days

100% of all cases
reported within 4 days from
arriving to the laboratory

100% of all cases
reported by specialized
uropathologists

Customer with **2%** goal
fulfilment* during 2022 had
100% in Q1 2024

* In Sweden the national goal is result to patient within 11 days from biopsy exam

Internal results

Every patient case has a traceability from the sampling until report, even in transportation

Our pathologists can diagnose twice as many diagnoses in a day

Patient safety from sampling to report

A safe and ergonomical work environment and lean workflow

No manual logs and built-in deviation handling

Work environment



ENPS*: 86

Index: 14

* Employee net promotor score

External results

100% digital request and reports

A structured and visual report for urologist and patients enables efficient treatment planning

The clinic can plan re-visit with the patient directly. No re-scheduling needed

Only structured data= unique statistics for our customers

Turnaround time is 5 working days incl IHC



From 21 to 7 days for biopsy results

Since we started sending our samples to Inify Laboratories, we have gone from a median time of 21 days between biopsy procedure and presenting results to the patient, to being able to schedule follow-ups after just 7 calendar days. Inify's short and reliable response times also allow us to work more efficiently, as we no longer need to reschedule patients whose test results have not arrived in time. In 100% of the cases, Inify Laboratories has delivered test results within 5 working days.





Questions?

Thanks for listening!