

image search engine
worklist triaging



contextflow

See beyond a single case.



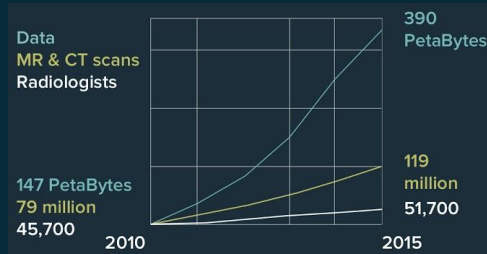
Unsolved Problems

Delays & unread images
Missed findings
Increased overtime expense



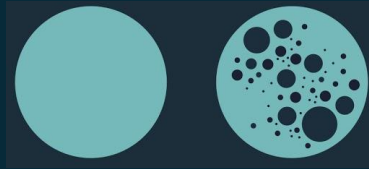
Major & Immediate Challenges in Radiology

Increasing Amount of Data



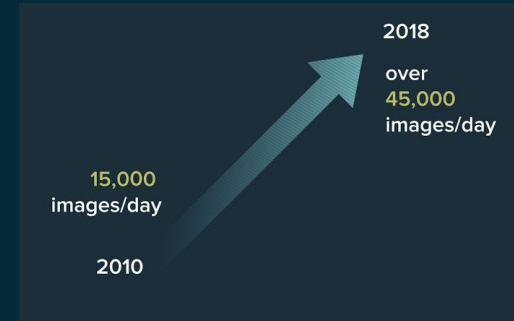
Modern imaging technology produces an **overwhelming amount of relevant data** that has to be taken into account during diagnosis.

Increasing Disease Complexity



Broad disease categories are a thing of the past. **Fine-grained disease variants are the key for effective treatment** decisions, making radiology more demanding.

Increasing Radiologist Workload



The radiologist **workload is increasing rapidly**, and the number of available radiologists cannot meet this demand.

contextflow Solutions

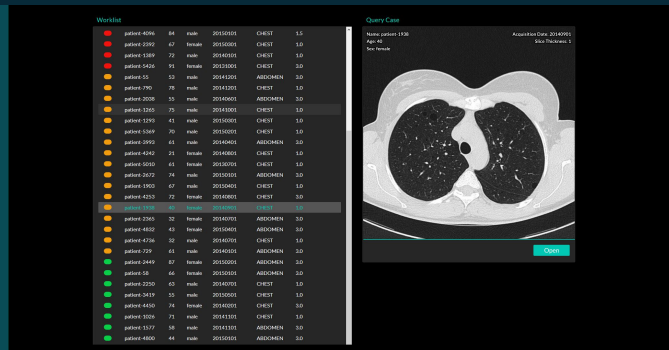


TRIAGE

Worklist prioritization based on anomaly detection in 3D image data

Reduces radiologists' workload

Radiologists assess more cases in less time



[TRIAGE Lung CT example video](#)

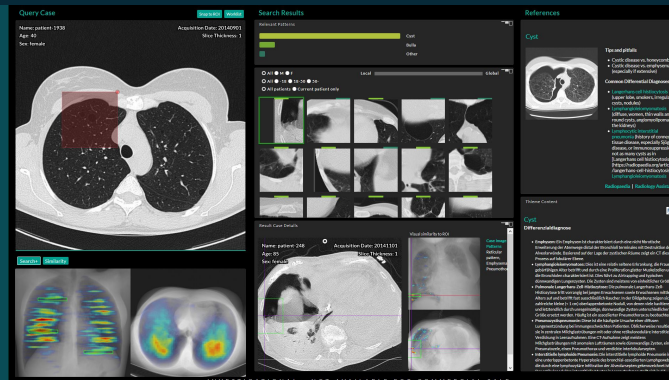
SEARCH

Instant 3D AI image search

Shows similar cases, statistics and reference information

Radiologists spend less time on difficult cases

Increases reporting quality, consistency and confidence



[SEARCH Lung CT example video](#)



Benefits

Increase reporting quality & consistency

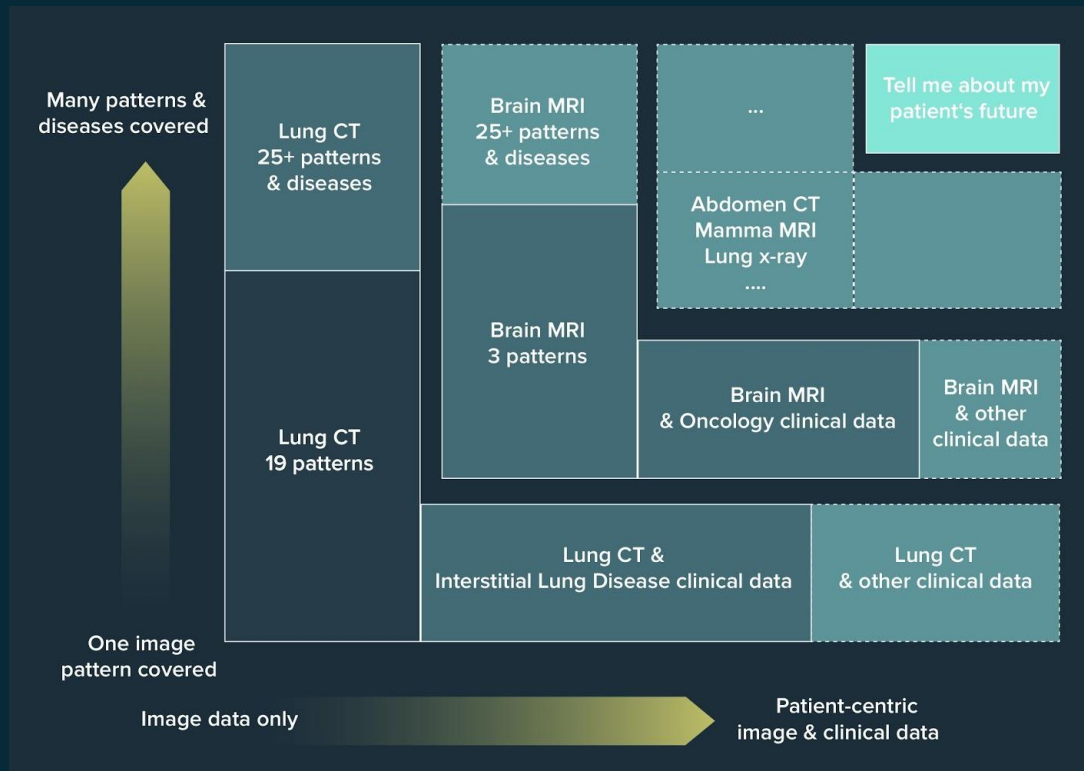
Decreased search time 20min → 2sec

Maximized workflow efficiency

Decreased overtime expenses



From Dormant Data to Actionable Knowledge



Transform underutilized medical data into interconnected knowledge bases
contextflow compares the current patient to thousands of curated, anonymized patients

Enable large-scale, evidence-based decision support

Rapid rollout
Our flexible AI solution scales across diseases, organs & modalities

Patient-centric radiology
Integrate full image and clinical information to support complex sub-diseases

Partners & Customers

● 9 Proof of Concepts signed

Medical University Vienna

Erasmus Medical Center Rotterdam

University of Zagreb School of Medicine

University Clinic Düsseldorf

Leiden University Medical Center

University Clinica Valencia

University Clinic Mainz

...

5+ additional POCs in contracting phase

University Clinic Freiburg

University Clinic of Edinburgh

KAV Vienna International

International Partner Hospitals

University Clinic Barcelona

...

● First paying customer - Calw Diagnosezentrum

POCs signed



International Partner Hospitals



Business Model



Hospitals & Clinics

10+ Contracts in progress

One-time Installation Fee

Yearly Recurring Revenue

- Maintenance
- Products

Medical Image Software Integrators

4 integrations complete covering 23% of global market

1 distribution agreement



SECTRA





Core Team Expertise

Founders



Markus Holzer
CEO



René Donner
Technology



Georg Langs
Science



Allan Hanbury
Public Funding



Julie Sufana
Marketing CMO



Marcel Wassink
Business Strategy
Former CEO Philips Speech

Marketing & Business Development

Startup & Business Development Expertise

Transforming a research prototype into a product

Attracting over 2.7m€ investments (public & private)

Domain specific sales and business development experience – scaling radiology speech recognition software from 0 to 30m€ annual revenue in 8 years, acquired by Nuance for €100m

Supported by international incubator & accelerator programs

Leading AI & Medical Image Analysis Experts

250+ peer reviewed publications for machine learning and image processing in medical computer science

40+ years' combined experience in machine learning on medical image data & creating efficient AI software development frameworks

International and growing team

Currently 19 people from 6 different countries



MEDIZINISCHE
UNIVERSITÄT WIEN



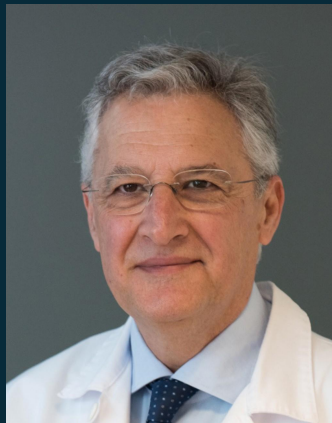
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Radiologist Radiology Center Vienna

MD. Sebastian Röhrich
Radiology Resident
Medical University of Vienna

contextflow's unique technology kickstarting the AI Radiology Value Circle approach is supported by internationally renowned Radiology Key Opinion Leaders

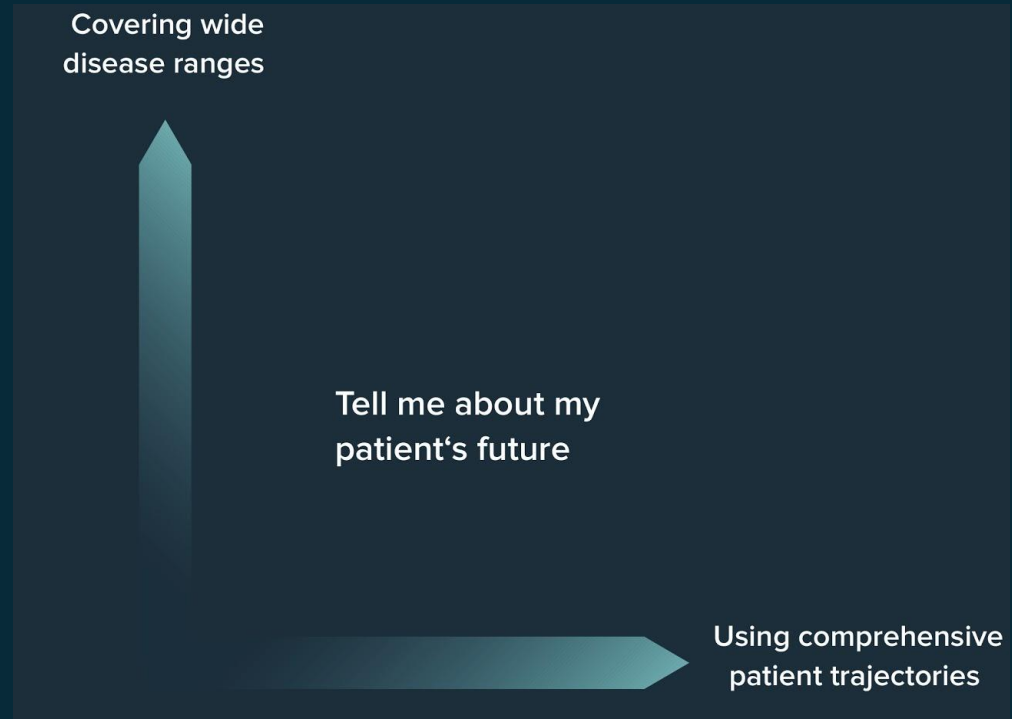


contextflow vision

Effective treatment decisions will be driven by comparing a patient to others for whom we have evidence of treatment, treatment response & outcome.

The ability to find patient groups whose history informs the understanding of our patient's future is key.

contextflow strives to be **the search engine** empowering radiologists to make this possible.



contextflow - See Beyond a Single Case



“Creating the next generation tools together with radiologists using state of the art machine learning technology improving workflow experience, reporting quality, speed & patient care.”

Additional Material:

Integration into the radiology workflow routine: [link to 15 sec video](#)

Product explanation video: [link to 2 min video](#)

Technology explanation video: [link to 1 min 30 video](#)

Pitch at Pioneers Festival by Julie Sufana video: [link to 3 min video](#)

Pitch at Philips Healthworks by Markus Holzer: [link to 5 min video](#)

Scientific presentation by Georg Langs: [link to 9 min video](#)

Selected Relevant Scientific Publications:

khresmoi - [link](#)

Georg Langs publications - [link](#)

Unsupervised Identification of Clinically

Relevant Clusters in Routine Imaging Data - [link](#)

Special thanks to our trustful partners, customers and supporters:



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