

contextflow ADVANCE Chest CT ^{CE 0123}

Comprehensive computer-aided detection software for ILD, COPD & lung cancer

DETECT / Nodule Detection

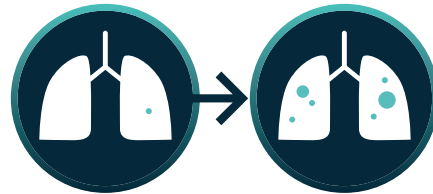
Detection & quantification of nodules from within your native viewer. Nodule characterization may reduce false positives/negatives.*

*JACR, September 2022



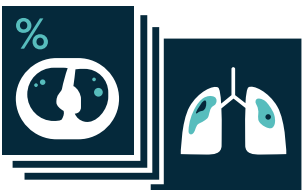
TIMELINE / Nodule Tracking

Consistently & instantly see changes in your patients over time. Prepare for tumour boards.



INSIGHTS / Lung Tissue Analysis

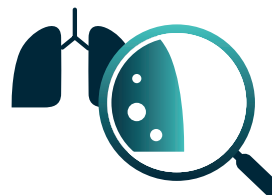
Quantification & individual heatmaps for 8 key image patterns to support ILD, COPD & lung cancer cases.



SEARCH / 3D Image Search*

Qualitative analysis of 19 image patterns in chest CT. Links to differential diagnosis literature. Automated retrieval of similar cases from our Knowledge Base.

*Average reading time is 31% shorter (European Radiology, July 2022)

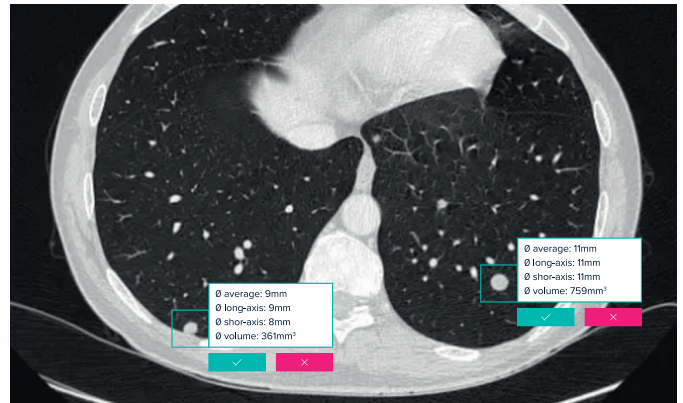


Comprehensive CT chest reading developed from the end user's perspective - this is what we were waiting for!

Jacob J. Visser
Radiologist, Chief Medical Information Officer, Assistant Professor of Value-Based Imaging,
Erasmus Medical Center Rotterdam

Unlock the full potential of ADVANCE Chest CT with these workflow integration features

Method (Accession Number)	Modality	Body part	Sex	View (Acquisition)	CTC Status	Case start time	CT Scans Ready	CT Scans Assembly Complete (%)	CTC Number of Detected Nodules
Patient+186	CT	CHEST	M	01/01/1944	READY	01/02/2020/0:00	14	74	1
Patient+188	CT	CHEST	M	01/01/1961	READY	01/05/2016/0:00	4	15	15
Patient+192	CT	CHEST	F	01/01/1961	READY	01/05/2016/0:00	1	7	7
Patient+2645	CT	CHEST	F	01/01/1956	READY	27/03/2020/0:00	12	12	24
Patient+36	CT	CHEST	M	01/01/1946	READY	01/08/2016/0:00	0	11	11
Patient+1803	CT	CHEST	M	01/01/1947	READY	01/04/2016/0:00	19	2	2
Patient+1258	CT	ABDOMEN	F	01/01/1966	READY	02/03/2020/0:00	4	5	5
Patient+1958	CT	ABDOMEN	F	01/01/1956	READY	01/01/2022/0:00	1	9	9
Patient+1934	CT	CHEST	F	01/01/1944	READY	01/05/2016/0:00	20	19	19
Patient+1665	CT	CHEST	F	01/01/1948	READY	01/08/2016/0:00	1	2	2
Patient+4523	CT	ABDOMEN	M	01/01/1971	READY	27/03/2020/0:00	12	7	7
Patient+7158	CT	CHEST	M	01/01/1947	READY	01/08/2016/0:00	16	13	13
Patient+1958	CT	ABDOMEN	F	01/01/1956	READY	01/01/2022/0:00	34	18	18
Patient+102	CT	CHEST	F	01/01/1947	READY	27/03/2020/0:00	14	10	10
Patient+2305	CT	CHEST	M	01/01/1948	READY	01/05/2016/0:00	7	6	6
Patient+21	CT	CHEST	M	01/01/1948	READY	01/05/2016/0:00	3	2	2
Patient+4963	CT	ABDOMEN	F	01/01/1971	READY	27/03/2020/0:00	1	9	9
Patient+7258	CT	M	01/01/1967	READY	01/08/2016/0:00	18	6	6	
Patient+196	CT	CHEST	M	01/01/1944	READY	01/05/2016/0:00	27	4	4
Patient+388	CT	ABDOMEN	F	01/01/1961	READY	01/01/2020/0:00	0	1	1
Patient+192	CT	CHEST	F	01/01/1956	READY	27/03/2020/0:00	6	4	4



Smart(er) Worklist

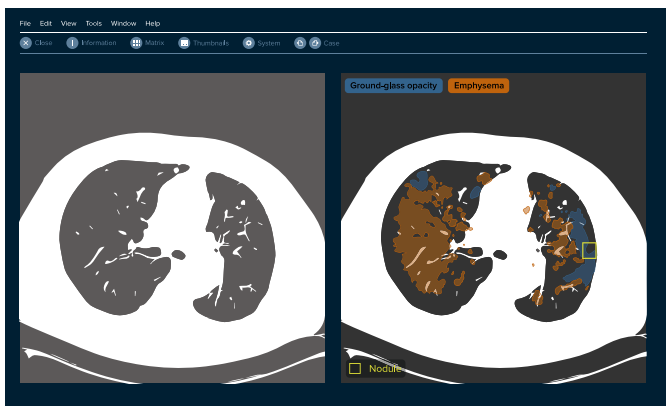
We can enrich your worklist with the following quantifications:

- Number of nodules detected
- Average diameter of largest nodule (mm)
- Lung coverage values (%) for anomalies

Confirm Nodules

Nodule location & measurements automatically sent to PACS:

- Assess detected nodules in native viewer
- Only confirmed nodules appear in draft report



AI-Based Structured Report	
Pulmonary Nodules*	
Pulmonary nodules present	<input checked="" type="radio"/> Yes <input type="radio"/> No
Number of nodules	8
Average diameter of largest nodule	12 mm
Lung Tissue Analysis*	
Coverage of lung anomalies	24%
Image Pattern Lung coverage	
Honeycombing	< 1%
Consolidation	< 1%
Reticular pattern	2%
Ground-glass opacities	2%
Emphysema	14%
Pneumothorax	< 1%
Others	5%
* results provided by SEARCH Lung CT	
Export Report	

Secondary Capture

Visualizes detected findings + nodules within your native viewer in color:

- Nodules
- Consolidation
- Effusion
- Emphysema
- Ground-glass opacities
- Honeycombing
- Pneumothorax
- Reticular pattern

Confirm Nodules

Quantitative image analysis results automatically sent to your PACS:

- Number of nodules detected
- Average diameter of largest nodule
- Lung coverage values (%) for anomalies & individual patterns
- One click to copy/paste measurements

Save time with
Zero clickouts

Curious how we can support you in clinical routine?
Contact Sales sales@contextflow.com

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