



ArtiQ.PFT

New AI Interpretation Workflow support in SentrySuite™

ARTIQ.PFT

 **vyaire**[™]
MEDICAL



Interpretation of PFT today is...

Time consuming

Pulmonologists use countless hours per week characterizing lung function using submitted PFT parameters

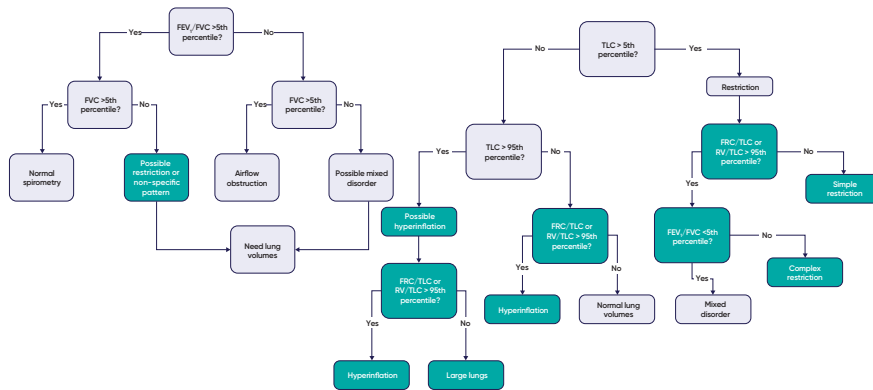
Expert dependent

Accuracy in recognizing patterns of PFT data depends on up-to-date knowledge of latest international interpretation standards and experience in the field

Inconsistent

High degree of variation exists, even between expert interpretations of PFTs

This can lead to redundant **additional tests**, **delayed time to appropriate treatment**, (initial) **misdiagnosis** and **increased costs**.



2021 ERS/ATS Interpretation Standards

Pattern recognition and restriction characterizing lung function has become more complex than in years past.

- More granularity of patterns with new restrictive categories, new diffusion pattern and severity
- Static methods distinguish presence & degree of altered physiology: Z-score, ULN/LLN, with fewer levels to define severity
- New method to determine significant bronchodilator response

Introducing **ArtiQ.PFT** for SentrySuite™ Review

ArtiQ.PFT software automates your review of Pulmonary Function Tests (PFTs). ArtiQ.PFT uses AI to quickly and accurately recognize patterns and characteristics of routine lung function tests, generating text statements and classification in-line with all current ERS/ATS standards.



Spend your time wisely

Spend your time on clinical decision making and patient consultation, not on administrative tasks.



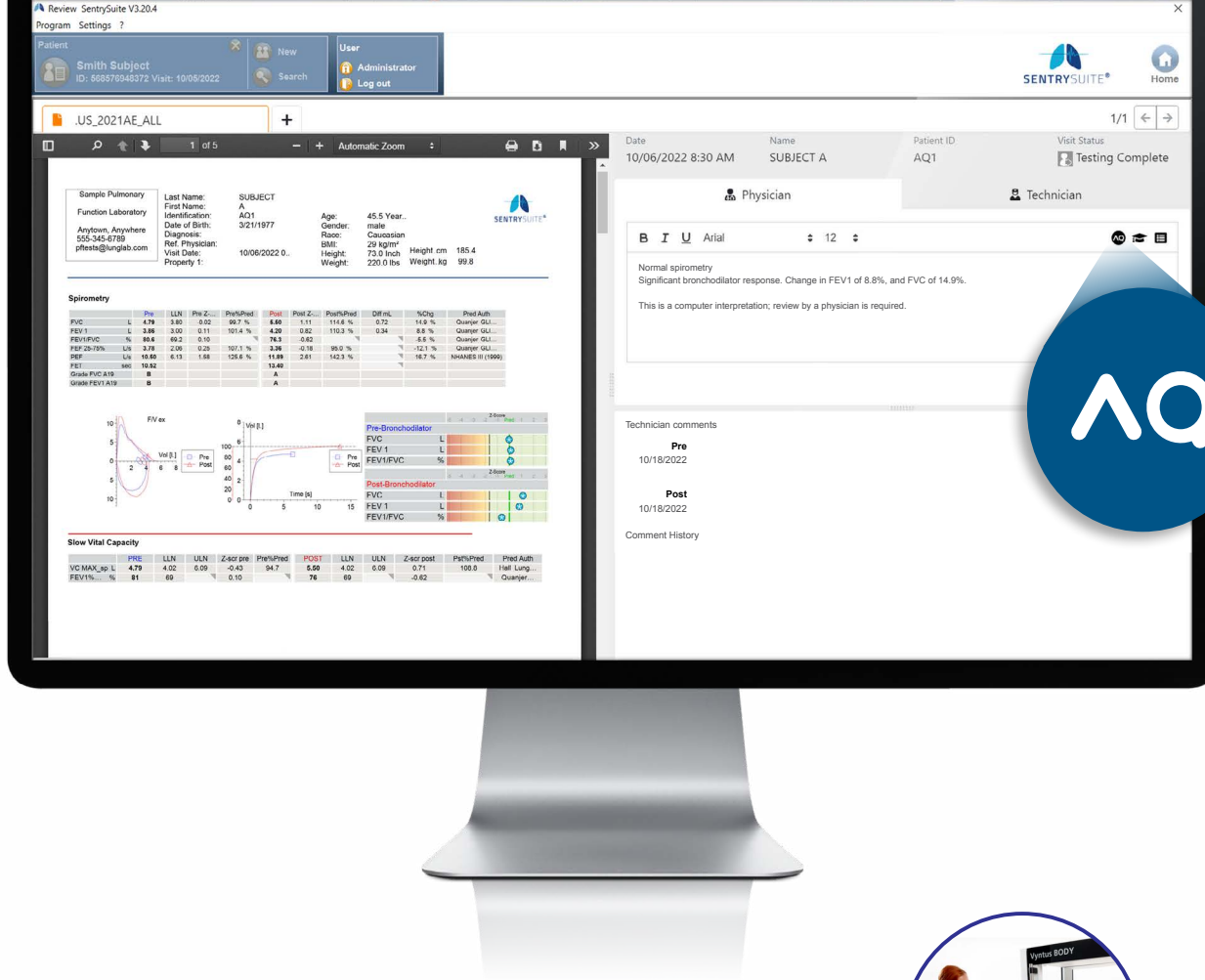
Boost your consistency

Standardize every PFT report at your center in line with international guidelines.



Maximize accuracy

Leverage the power of AI to characterize spirometry, DLCO, LV, methacholine, and FeNO.

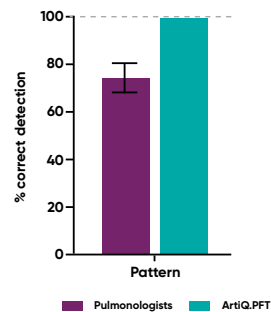


Harness the power of AI in a single click with ArtiQ.PFT

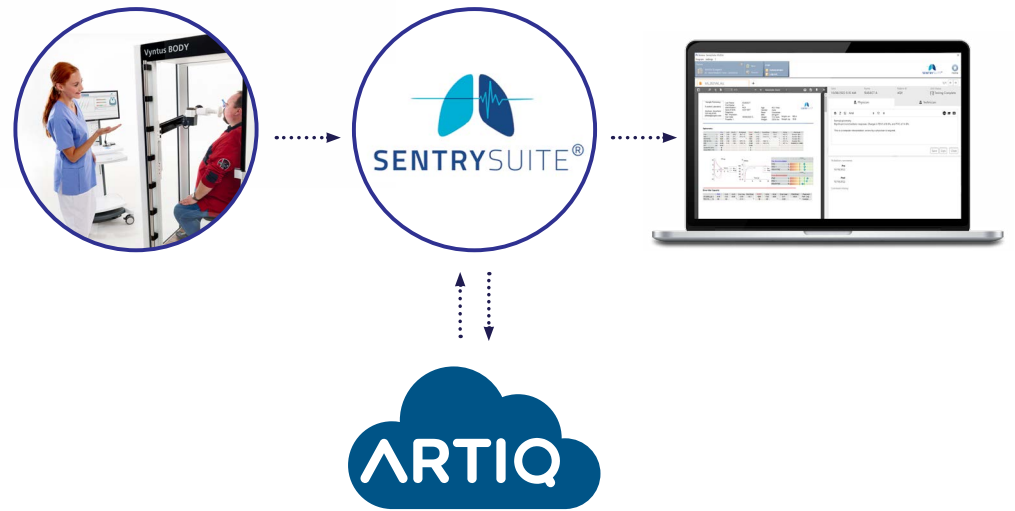
- ✓ Takes weekly routine PFT review from hours to minutes
- ✓ Identify patterns and degree of altered lung physiology in seconds
- ✓ Improve accuracy while increasing lab efficiency
- ✓ Cut down the learning curve of new interpretation standards
- ✓ Reduce time to treatment while maintaining high quality standards
- ✓ As soon as ArtiQ incorporates updates to International Standards, they are immediately available to use
- ✓ Ensure consistency and standardization

A multi-center study recently published* where 120 pulmonologists from 16 hospitals evaluated 50 PFT studies and some basic clinical information, resulting in 6000 independent interpretations showed individual experts were only able to accurately characterize the PFT pattern 56-88% of the time.

<https://erj.ersjournals.com/content/early/2019/01/30/13993003.01660-2018>



 Tap to read the full study



Secure, AI, Cloud-based software seamlessly integrates into your SentrySuite™ Review

Who is ArtiQ?

- Spin-off from KU Leuven (Belgium)
- After 8 years of extensive research
- Founded by AI engineer, 2 Pulmonologists, and MedTech expert
- **Mission:** ArtiQ empowers medical professionals with artificial intelligence to accurately and timely diagnose, treat and follow-up patients with lung diseases.

GLOBAL HEADQUARTERS

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