

## AeoNose for Covid-19 screening

Presentation for GGD Amsterdam, October 2020

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Strictly Confidential



## Agenda

- AeoNose exhaled-breath analysis
  - Features
  - Status
- Pilot results for Covid-19
- Proposed approach for GGD Amsterdam
- Discussion items
- Next steps



## Features AeoNose

- Point-of-Care device
  - 5 minutes breathing, 10 minutes rinsing, immediate classification
  - Portable, battery-powered
  - CE, ISO 13485
- Non-invasive
- Disposable mouth piece & filters
- iPad controlled: communicating with data center





5 minutes of breathing in Aeonose



Data sent via iPad to datacenter



Data analysis, immediate classifica



## Point-of-Care exhaled-breath analysis



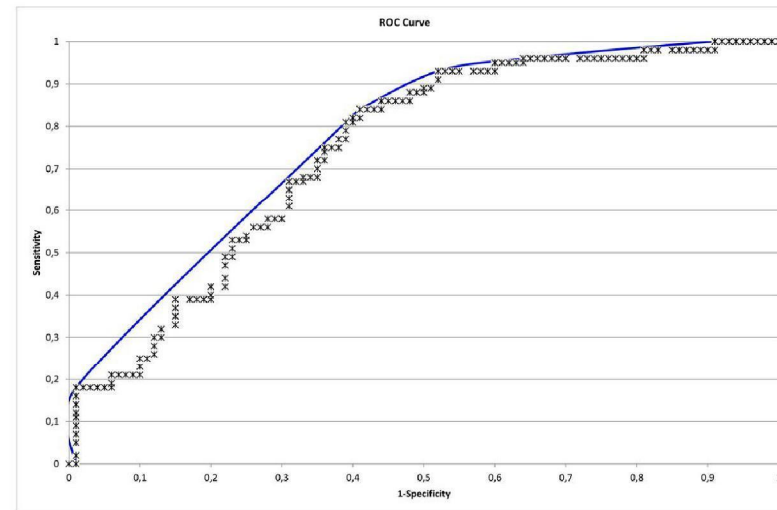
## Status AeoNose

- 20 years of know-how in eNose technology, 10 years in medical applications,
- Solid approach
- > 90 papers & conference contributions on various indications,
- Finishing-up multi-center validation studies on lung cancer and colorectal cancer,
- Pilot study on Covid-19
- 50 devices in stock
- Production (outsourced), CE, ISO 13485



## Pilot study results for Covid-19

- Clinical study at MUMC
- 219 participants (MUMC employees)



- Next: validating results pilot study including classifying blind samples



## Proposed approach for GGD Amsterdam

- Setting-up task force (if not available already)

- Epidemiologist
- Virologist / microbiologist
- .....
- Academic back-up

- Protocol

- 'Golden' standard
- Sample size
- Follow-up participants
- Preferably: approval by METC

- Building algorithm

- Collecting breath samples
- Data analysis
- Check with blind samples (validation)



## Proposed approach for GGD Amsterdam

- Timeframe
  - Protocol + METC 1 week
  - Breath sampling & building algorithm 4 weeks
- Dedicated training and support available from The eNose Company





## Discussion items

- Sensitivity & specificity required (sensitivity swab-PCR  $\pm$  75%)
- Approval by authorities ?
- Numbers of devices & consumables needed
- Costs involved



## Next steps

- How do we proceed from here?