MIR

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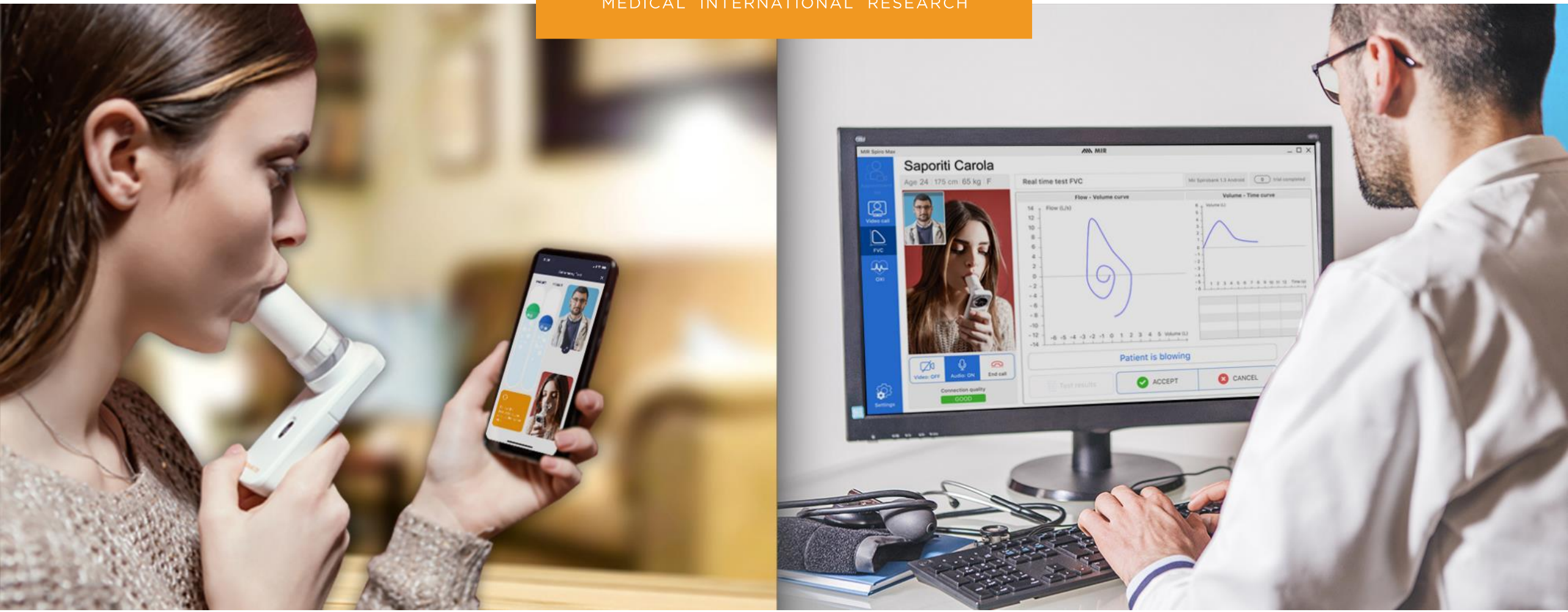
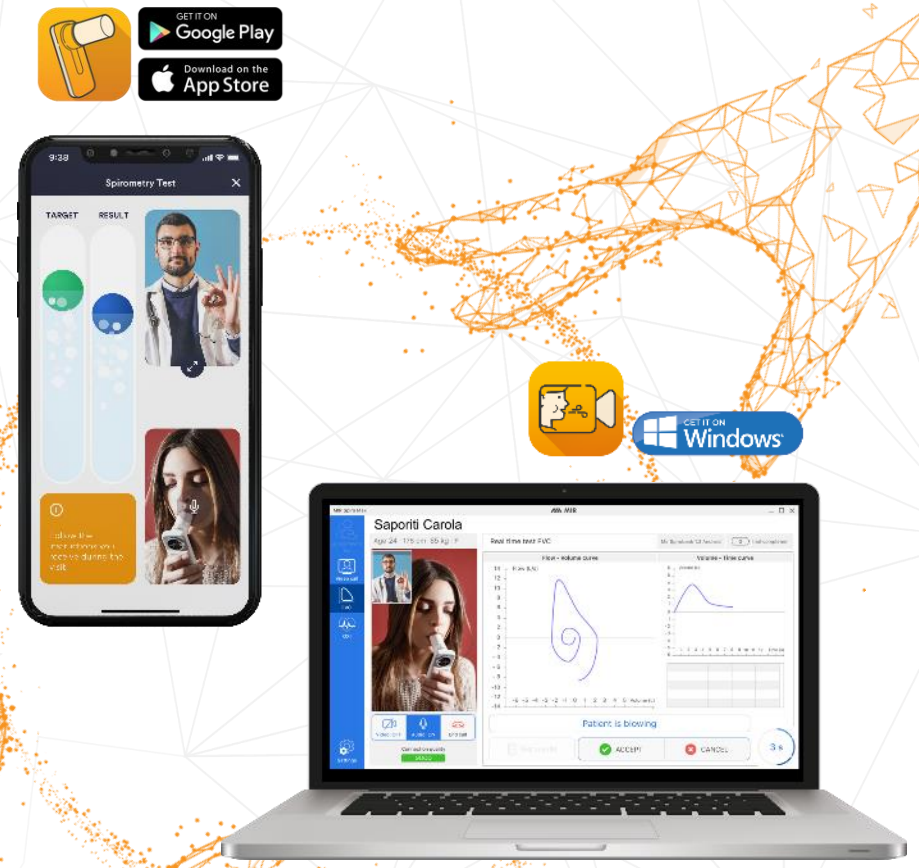


LIVE VIDEO EXAM

IMPORTANCE OF LIVE VIDEO EXAM

The Live Video Exam allows patients to perform the spirometry and oximetry test remotely with the full support –in real time- of the Health Care Professionals (HCP).

A step ahead of the traditional home care solutions where the patient is not supervised during the test.



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THE FIRST COMPANY

TO DEVELOP A SPIROMETER INTEGRATED WITH AN OXIMETER FOR LIVE VIDEO EXAM

Virtual testing from the COMFORT OF HOME

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2

EASY TO USE

THE PATIENT WILL BE COACHED BY THE HCP BEFORE AND DURING THE TEST, AS IN A ROUTINE FACE TO FACE VISIT.

Real time CONNECTION

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THE FLOW

Phase 0
SCHEDULE

- Appointment

Phase 1
BRIEFING

- Connection
- Videocall

Phase 2
COACHING

- Start test
- Spirometry & Oximetry

Phase 3
RESULTS

- Real time curve
- Test results

Phase 4
ARCHIVE

- Data saving
- PDF export

CLINICIAN

CLINICIAN/PATIENT

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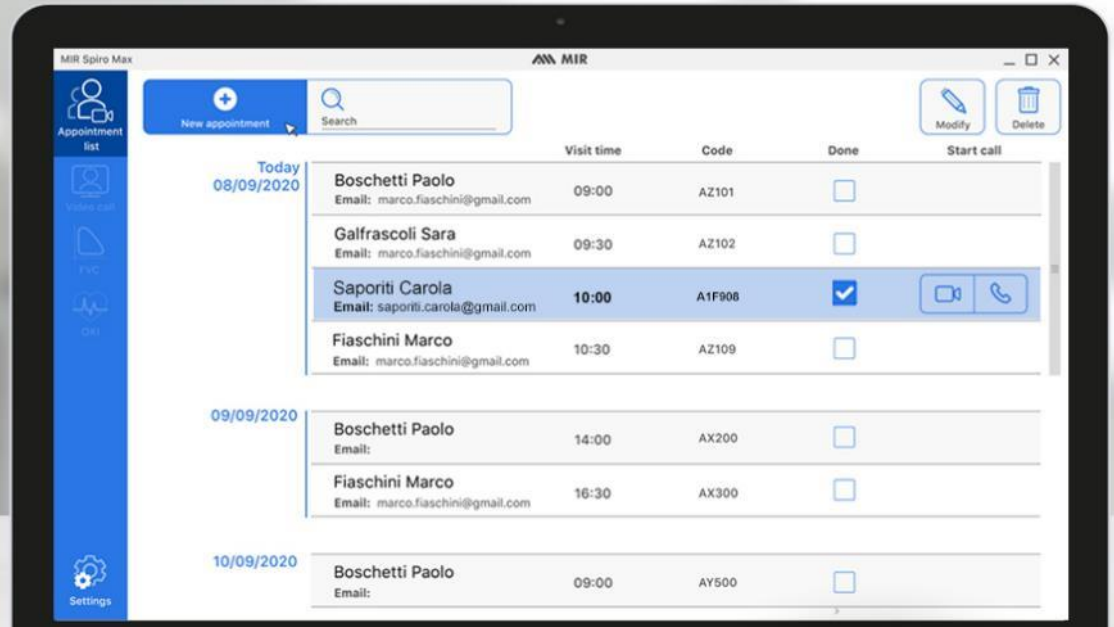
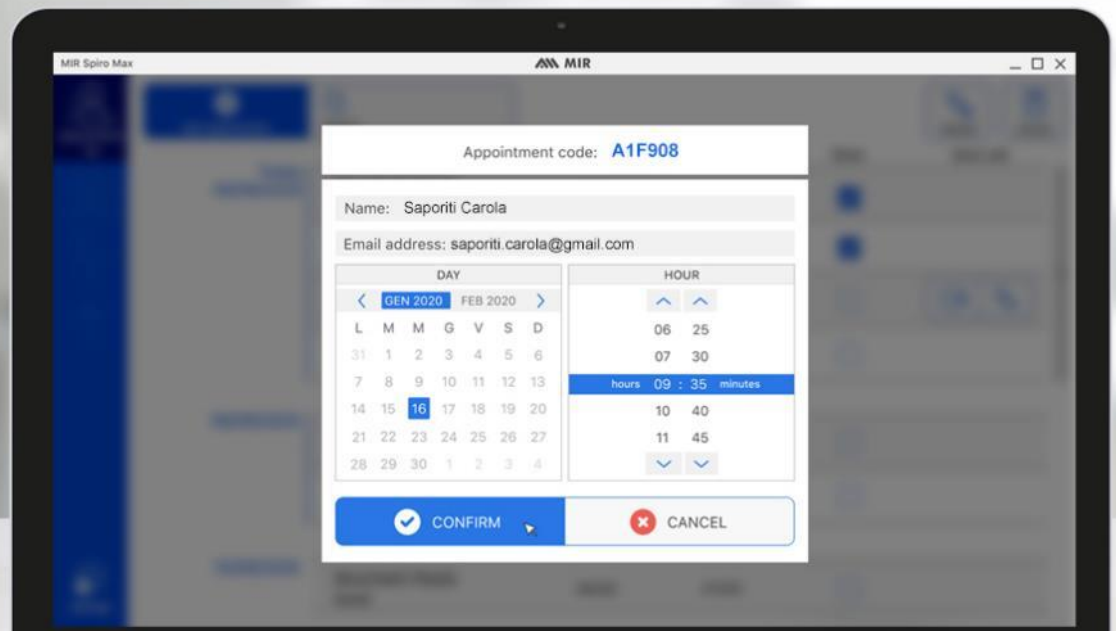
THE FLOW

SCHEDULE A MEETING

The Health Care Professional (HCP) schedules a meeting directly from **MIR Live Video Exam App,** selecting any Patient from the database...

...and date for the appointment from the calendar.



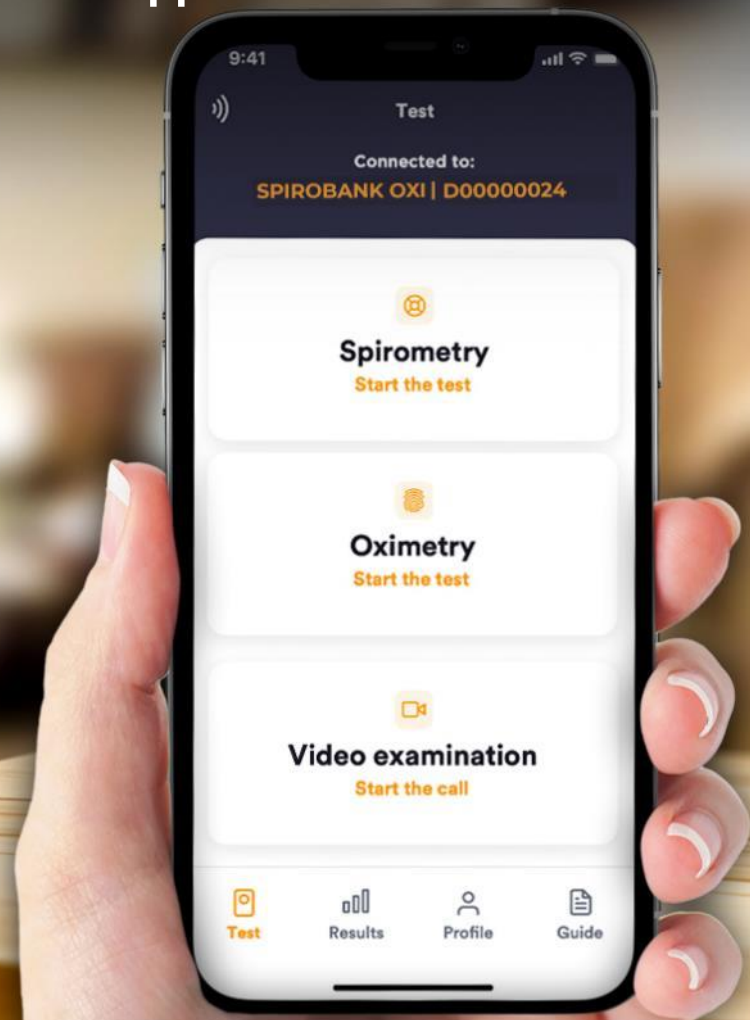


- **No longer need to book «physical» appointments.**
- **No need to travel to patient's home or employee's workplace.**
- **Live Consultation is available everywhere with a PC and an internet connection.**

MEDICAL INTERNATIONAL RESEARCH

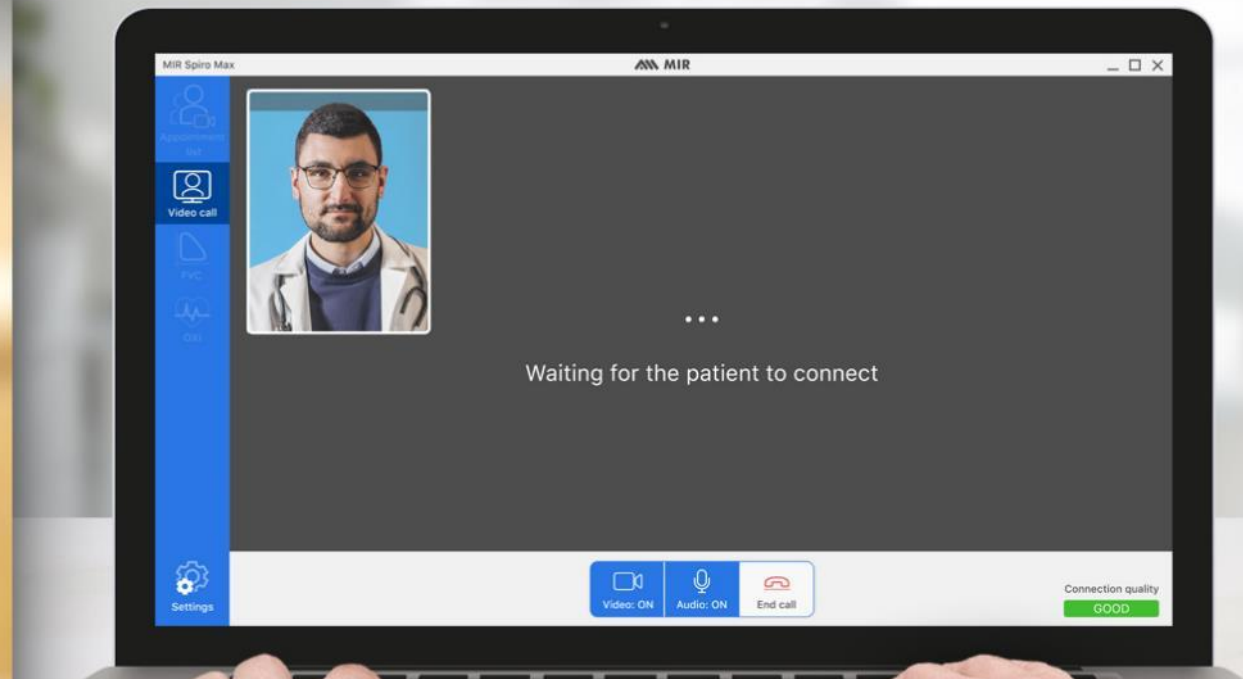
THE FLOW

Patient taps on start **Live Video Exam** directly from **MIR Spirobank App**.



START THE VIDEO EXAM

The day and time of the meeting, the **HCP starts the Live Video Exam**.



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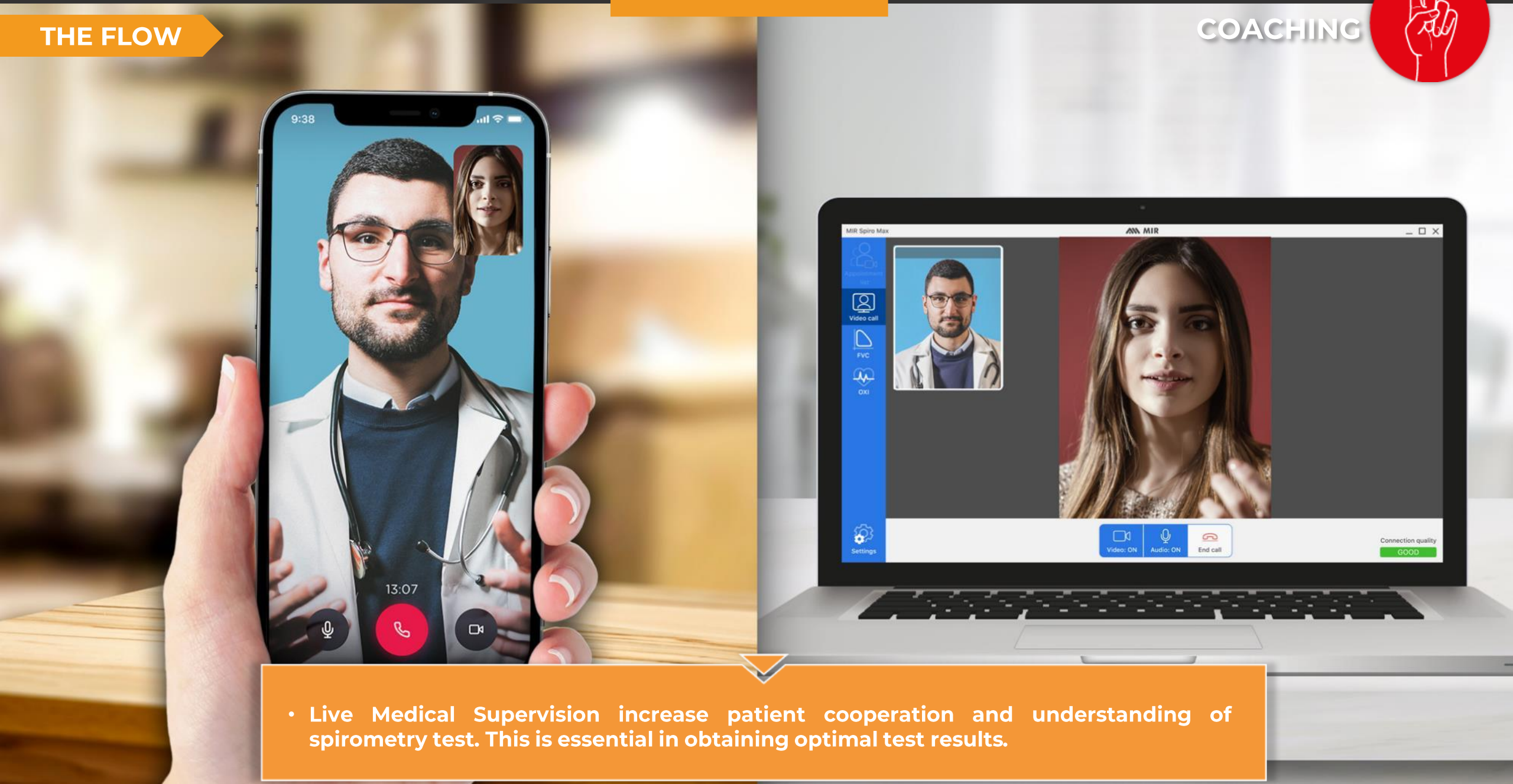
THE FLOW

COACHING



- **Live Medical Supervision increase patient cooperation and understanding of spirometry test. This is essential in obtaining optimal test results.**

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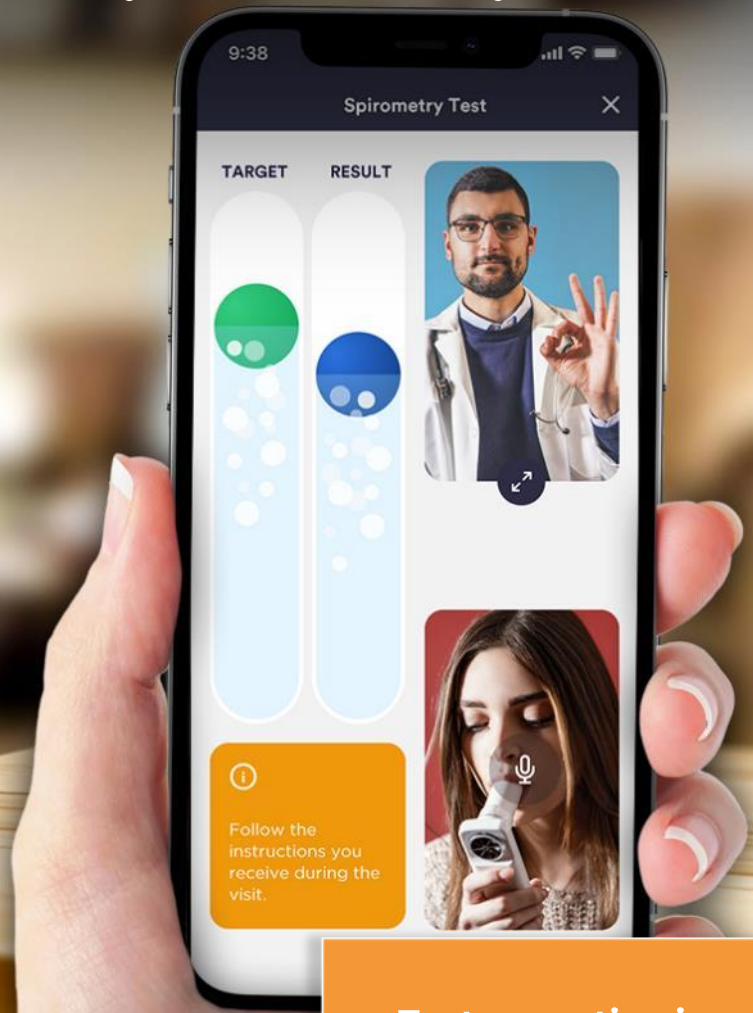
THE FLOW

Routine face to face testing becomes virtual.
Safely, accurately and... comfortably at home.

SPIROMETRY TEST

The tests are started and ended remotely, without the patient needing to do **anything other than blow**.



- **Test execution is supervised and managed 100% remotely by the HCP.**

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THE FLOW

OXIMETRY TEST

Test **entirely supervised** by the HCP.
Patient **needs only to focus** on the test.

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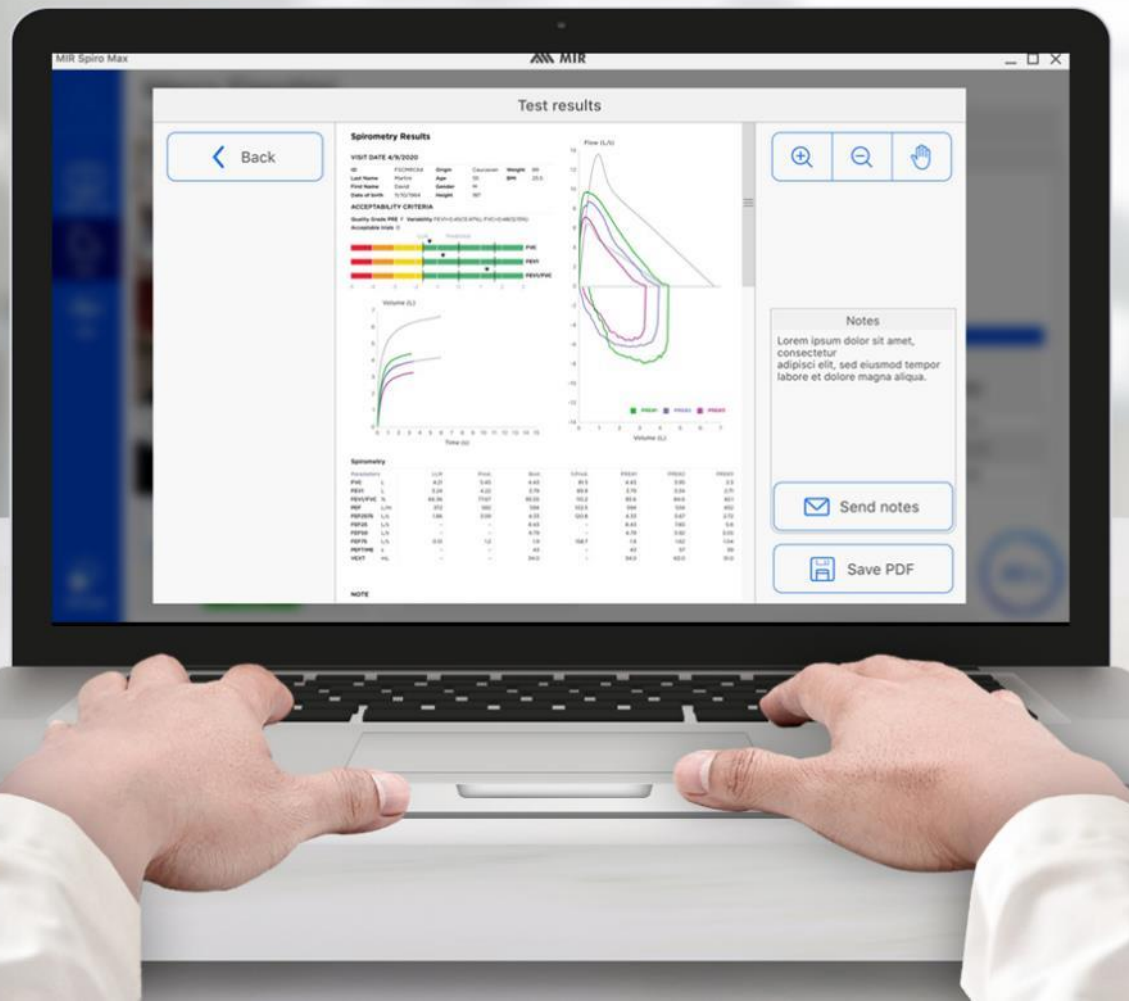
THE FLOW

- ✓ VIEW DATA
- ✓ EDIT COMMENTS AND NOTES
- ✓ SAVE RESULTS IN PDF

1. HCP can edit notes and add comments such as a therapeutic plan for the patient.
2. Notes and comments are automatically saved in a pdf file along with the test results.
3. The pdf file is stored by default on both Medical and Patient Apps.



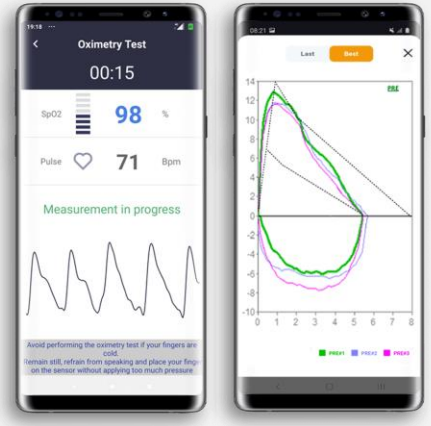
VIDEOSPIROMETRY: MIR TOOLS

SPIROBANK OXI
CE Mark 0476
FDA *pending*

01

- ✓ Medical diagnostic device for personal use
- ✓ Spirometer & Oximeter
- ✓ Up to 30 parameters for Spirometry
- ✓ Up to 8 parameters for Oximetry

MIR SPIROBANK
APP Mobile



02

- ✓ Mobile MEDICAL App for (iOS and Android)
- ✓ For real time spirometry and oximetry testing
- ✓ Directly on your Smartphone via Bluetooth Smart 4.0

LIVE VIDEO EXAM
Medical App
for Healthcare Providers

03

- ✓ App available on laptop & PC desktop
- ✓ Peer to Peer Connection
- ✓ Low latency
- ✓ In cloud data
- ✓ No privacy issue

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SPIROBANK OXI

App based Oximeter & Spirometer

SPIROBANK OXI FEATURES

SMALL & LIGHTWEIGHT

Dimensions:
1.93 x 4.29 x 0.82"
(49 x 109 x 21 mm)

Weight:
14 oz
(60.7 g)

PULSE OXIMETRY

Spirobank OXI uses a reflectance pulse oximetry sensor (Touch)

Easy to use, accurate and validated in a laboratory. It is **embedded** and it does not require any external sensor.

*The sensor has been tested and approved by **Clinimark** in the Colorado (US) area.*

× **No Keyboard**
No patient interaction required.

× **No display**
Patient visualizes results and incentive on the App.

× **No Memory**
Tests are automatically stored in the App.

× **No configuration required**
Direct connection with the App.

SPIROBANK OXI FEATURES

PAIRING WITH SMARTPHONES VIA BLUETOOTH 4.0 (BLE).

Spirometry Parameter on MIR Spirobank App:
FVC,FEV1, FEV1/FVC, PEF, FEF2575, FEF25, FEF50, FEF75, PEFTIME, VEXT, FEV6

Oximetry Parameters on MIR Spirobank App:
%SpO2, Pulse BPM

SDK iOS

SDK android

Up- to 30 Spirometry parameters and 8 Oximetry parameters available via SDK:

Spirometry: FVC, FEV1, PEF, FEF2575, FEV6, VEXT, PEFTIME, FEV1/FVC, FEF75, FET, FEF25, FEF50, FIVC, FIV1, PIF, FEV3, FEV05, FEV075, FEV2, FEF7585, FIF25, FIF50, FIF75, FEV1/FEV6, FEV6/FVC, FIV1/FIVC, FEV3/FVC, FEV05/FVC, FEV75/FVC, FEV2/FVC

Oximetry: %SpO2min, %SpO2mean, %SpO2max, BPMmin, BPMmean, BPMmax, Ttotal.

Single Patient
Reusable Turbine

Compatible also with **FlowMIR™ disposable Turbine**

CERTIFIED ACCURACY:
- ✓ ISO 23747:2015
- ✓ ISO 80601-2-61
- ✓ ATS-ERS: PW24 e FT26
- ✓ FDA Non-invasive Oximeter General Guidance

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2

MIR SPIROBANK

Medical App for smartphone Android e iOS

GET IT ON Google Play

Download on the App Store

MIR SPIROBANK APP FEATURES

Real time spirometry and oximetry test on your Smartphone

Main Features

- Spirometry and Oximetry test in one App
- Automatic connection via Bluetooth Smart BLE 4.0
- Suitable for all ages excluding newborns and infants
- GLI-2012 predicted sets for spirometry reference value

Distinctive Features

- Acceptability Messages and Real time animation on Smartphone
- E-diary, symptoms and notes can be added for each test.
- Easy-to-read graphic trends for self-monitoring of spirometry and oximetry.
- Real time plethysmographic curve on display

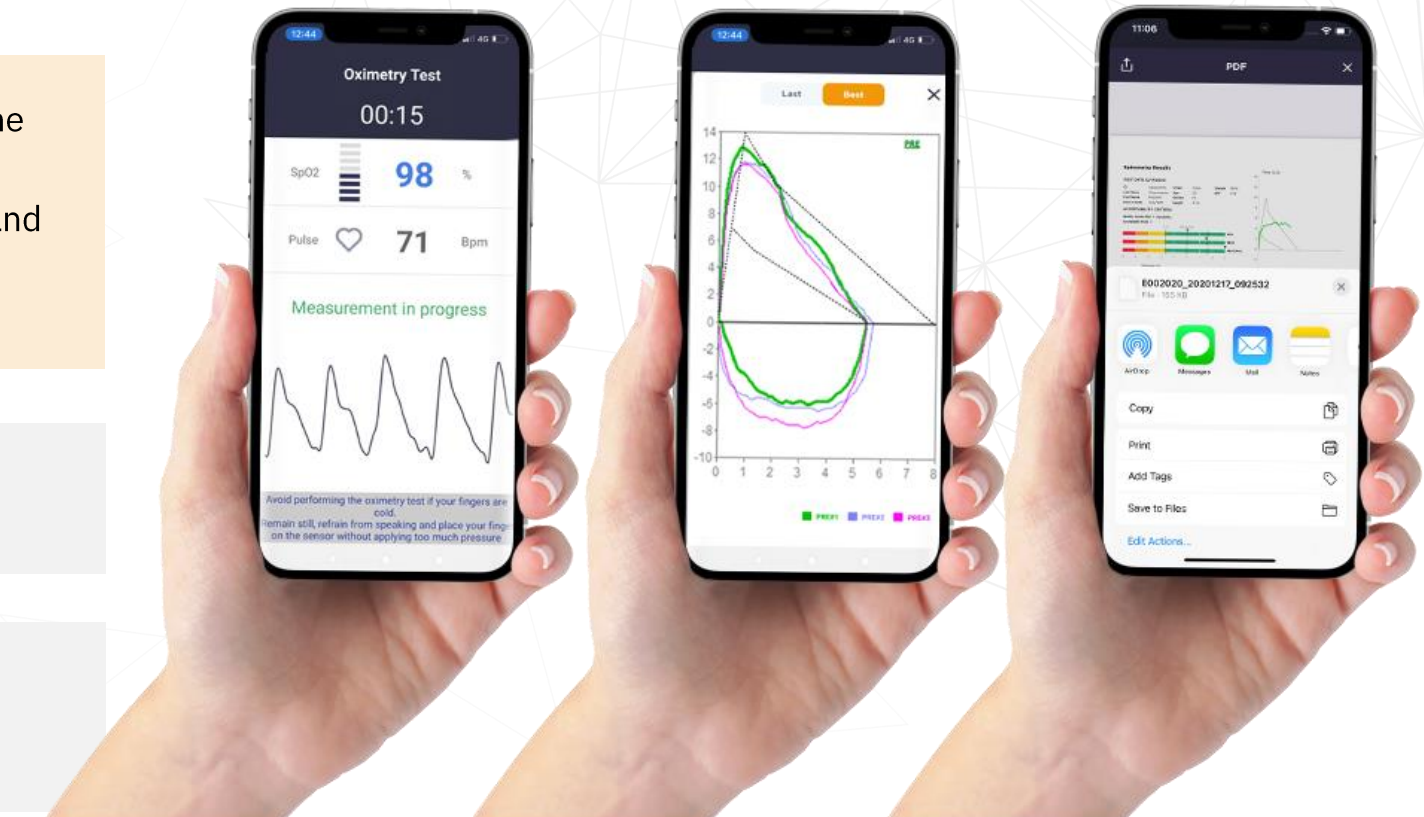
Parameters on Display

Spirometry: FVC, FEV1, FEV1/FVC, PEF, FEF2575, FEV6
Oximetry: %SpO2, Pulse BPM.

Parameters on Printout

Spirometry: FVC, FEV1, FEV1/FVC, PEF, FEF2575, FEF25, FEF50, FEF75, PEFTIME, VEXT, FEV6.
Oximetry: %SpO2, Pulse BPM.

Download on the App Store | GET IT ON Google Play



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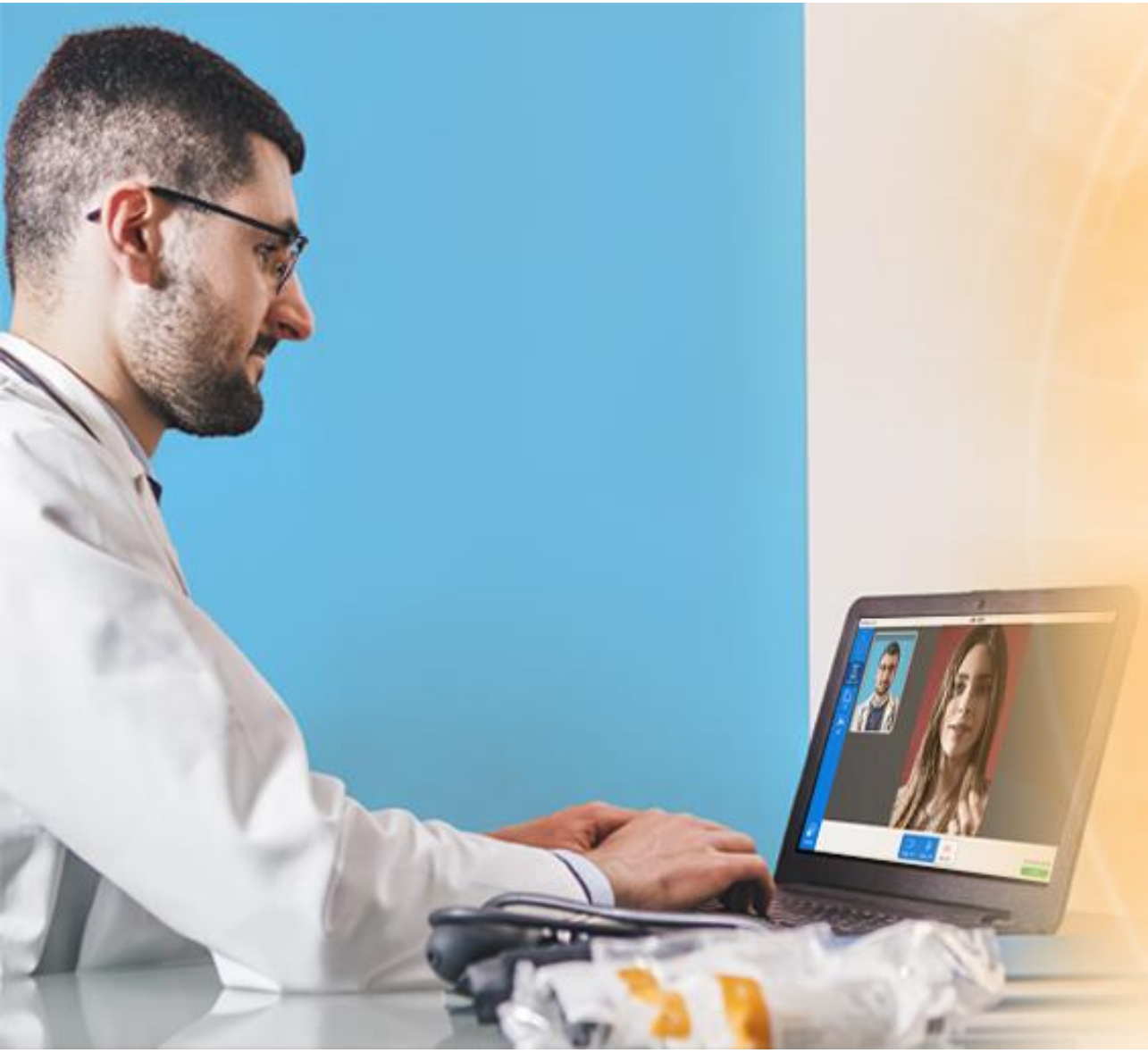


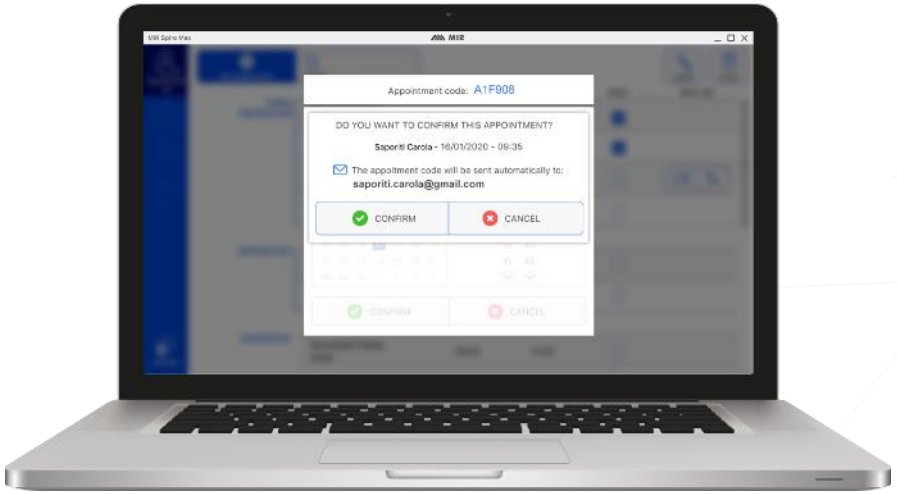
3

LIVE VIDEO EXAM

Medical App
for Healthcare Providers

GET IT ON Windows

MEDICAL APP FOR HEALTHCARE PROVIDERS



Peer to Peer Connection

As many video chat systems the caller is directly connected to the callee. Data coming from the patient's smartphone are sent to the doctor's Pc

- Low latency
- No need to store (personal) data into a server
- No privacy issue

The Live Video Exam will be embedded into MirSpiro application.

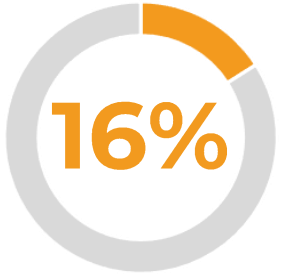
MIR cannot read, access or listen to personal communications because they are protected by end-to-end encrypt.

REMOTE PATIENT MONITORING ACCELERATION

Massive acceleration in the use of telehealth ongoing, helping expanding care access and highlighting the huge untapped potential of the telehealth market.

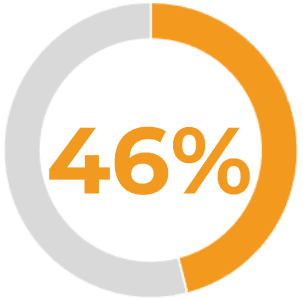
CONSUMERS ADOPTION

From



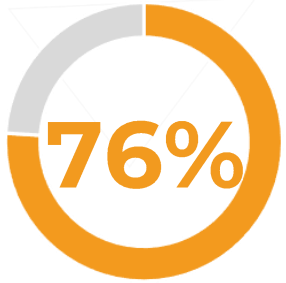
In 2019

to



during Covid-19

Currently interested



In using telehealth going forward

HEALTHCARE PROVIDERS

Health systems, independent practices and others have rapidly scaled telehealth offerings

50-175x

# of telehealth visits (vs. pre-Covid)

57%

viewing telehealth more favorably

- **Safe and fast**
- **Support for people with chronic conditions**
- **From your home, no crowded places**
- **Improved quality & access**

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MIR NUMBERS

28
Years
of experience

100
Countries where
our products are
exported

8
International
Patents

16%
Of revenues
in R&D

MIR
MEDICAL INTERNATIONAL RESEARCH

LIVE VIDEO EXAM
IS NOW

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