

## At a glance

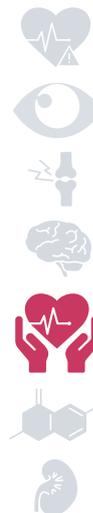
### Retinal vessel analysis in use against COVID-19

As a “mirror” of the human body, conclusions about every patient's individual vascular condition, vascular function and vascular risk factors can be drawn from the retinal microcirculation. According to current research, COVID-19 also affects the inner walls of vessels throughout the body. This restricts microcirculation, thus bringing with it the threat of microcirculatory collapse.<sup>1</sup>



Both the RKI and the latest studies prove that, in particular, people with underlying diseases such as cardiovascular diseases, heart disease, diabetes, high blood pressure and vascular diseases are in the so-called risk groups.<sup>2</sup>

It is essential to identify these potential risk persons as early as possible and thus protect them from infection with the virus as well as from the threat of severe bouts of COVID-19.



Most patients who become infected with the SARS-CoV virus are often completely unaware of their pre-existing conditions and the associated risk!

**A simple look into the eye of your patients enables targeted identification of people at risk of severe bouts of COVID-19 in around one minute.**

The Imedos Static Analyzer for static vessel analysis provides important parameters regarding the individual risk for patients, including information about the possible occurrence of cardiovascular diseases and events, such as heart attacks and strokes. People that are particularly vulnerable, such as medical professionals, educators or caregivers, can determine which possible risk groups they may belong to via such an examination and thus better protect themselves from infection.



In addition, patients with pre-damaged vessels, endothelial dysfunction, have a particularly high risk of severe bouts of COVID-19. They should be identified as early as possible as well and, ideally, isolated. **The system for dynamic vessel analysis, the Imedos Dynamic Analyzer, enables fast and also completely painless access to the endothelial function of patients as well as precise determination of vessel disorders.**

[1] USZ, 20/04/2020: COVID-19: Auch eine systemische Gefässentzündung. Available at: <http://www.usz.ch/news/medienmitteilungen/Seiten/mm-covid-19-gefaesserkrankung.aspx>

[2] [www.rki.de](http://www.rki.de)

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