

# THE POTENTIAL OF INNOVATIVE DIAGNOSTIC TOOLS: PERSONALISED DISEASE MANAGEMENT FOR IMPROVED HEALTH OUTCOMES IN COVID-19 PATIENTS

Key learnings from the **EHMA 2022 Annual Conference**

COVIRNA project will develop a **simple, minimally invasive and rapid molecular diagnostic kit to predict cardiovascular outcomes of COVID-19 patients.**

## ►► Impact of COVIRNA solution

- improved individualised surveillance, care and follow-up of COVID-19 patients
- improved clinical outcomes and quality of life of patients
- reduced mortality rates
- reduced societal and economic burden of COVID-19

COVIRNA is a great example of **evidence-based medicine**. It uses technology and research without forgetting about its social and economic dimension and impact.

Innovative diagnostic tools can be used to help with the CVDs prevention and can escalate person-centred planning at hospital discharge and post-discharge review and follow-up.

## ►► What to do to ensure better care for people at risk of CVDs?

- challenge political complacency and misunderstandings around CVDs
- showcase new opportunities in diagnostics
- build policy alliances
- showcase leading case studies

The potential long term-consequences of COVID-19 are CVDs such as **myocardial infarction, coronary heart disease, cardiomyopathy, and arrhythmias.**

There is a **troponin** elevation in COVID-19 patients. Troponin is an important stratification biomarker associated with a heart muscle injury.

**Health-based apps** and **wearable sensors** can be used to support patients and physicians in **CVDs management.**

## ►► Framework of healthcare innovation

Quality, costs, safety, efficiency, and outcomes are the factors that need to be considered in **innovation development and adoption.**

Different healthcare stakeholders have different needs, wants and expectations in the context of innovation development and adoption. Innovations within healthcare will only be successful when **the interests of all stakeholders** are taken into account.

In addition to **transformational leadership** we need **leadership agility** to facilitate the uptake of innovative solutions in healthcare.