



# Competence Centre on Health Technologies

CCHT is Estonian precision medicine company



## Mission Statement

We help couples & families who have problems in conceiving and/or have medical concern about the elevated health risks for a newborn. This involves support to clinicians and assisting patients in reproductive medicine, obstetrics and pregnancy surveillance who suffer from involuntary infertility, recurrent miscarriages, diseases associated with infertility, increased risk for fetal and neonatal diseases, and the need for prenatal screening and diagnostics.

CCHT's primary mission is to serve the society by helping the families to become happy parents of healthy new-borns by using our dedicated technologies.

## Company in the nutshell

CCHT was established as research and technology organisation in 2009. During the next seven years the high-level technology development was conducted that established the company's commercial portfolio. Our technologies are based on solid science providing the evidence base for our commercial portfolio, as more than 250 papers have been published in top journals, including Nature Medicine. Moreover, the patents protect most of CCHT's appropriate technologies.

## Vision Statement

The vision of the CCHT is to develop and offer a comprehensive package of medical services that covers the most important clinical challenges in the fields of reproductive and fetal medicine. CCHT will continuously be committed to make our innovative technologies as evidence-base as possible, and providing personalized prevention and treatment options to many families in a cost-effective manner.

Thus, CCHT's vision is to share the high-quality-level of Northern European medical technologies with patients, customers and partners around the world.

## Key areas of expertise

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1. infertility treatment & diagnostics
2. prenatal screening & diagnostics
3. reproductive microbiota studies & probiotic products
4. custom research in reproductive medicine

Commercial medical genomics laboratory services were launched in 2018. Our clinical genomics lab has ISO15189 accreditation since 2020 and offers medical genetic services in Europe, Asia and South-Africa.

We also hold prototypes for non-invasive testing of endometriosis and non-invasive testing for endometrial receptivity based on uterine fluid proteomic biomarkers, microbiota studies to improve the IVF and non-invasive prenatal testing (NIPT) for monogenic diseases related to advanced paternal age.

In addition, the patented strains of probiotics have passed the clinical trials to prove their usefulness in biological therapies for female reproductive tract dysbiotic problems.

CCHT is also active in the field of genetic predisposition studies for female reproductive features, like reproductive aging and age-related infertility, that are highly promising to establish the personalised reproductive medicine tools for family planning.

CCHT has acted as the coordinating partner in several European Union's innovative projects in FP7 and Horizon 2020 framework programmes, partnering with several globally leading academic innovators like Karolinska Insitutet, KU Leuven, University of Oxford, University of Helsinki and University of Tartu.

Company has about 30 highly qualified researchers, half of them with a PhD degree.



## Commercial services

In infertility treatment we are offering endometrial receptivity testing (beREADY test) and preimplantation genetic testing for aneuploidies (PGT-A) for IVF (In Vitro Fertilization).



In prenatal screening we offer our proprietary NIPTIFY test.



## We are looking for

- We are looking for partners interested about our services and innovations.
- Particularly, we are interested in new partners who aim to use our products and services, and vendors and representatives for our products.
- We are also interested in collaboration with the local research and innovation institutions.
- Finally, we would like to meet with the professionals involved in public and private healthcare programs, like pregnancy follow-up and screening programs.

## Tervisetehnoloogiate Arenduskeskus AS

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