

Research strategy – Klinikk for Diagnostikk

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Background

The specialist healthcare service has four primary areas of responsibility: patient treatment, research, education of health personnel and training of patients and relatives. Klinikk for Diagnostikk (KfD) wants to lower the threshold for conducting research, increase competence for quality work and research in the clinic, and in the long term make the work around research and development more targeted and result-oriented. As part of this, a research strategy and a research committee have been established.

KfD's research strategy is anchored in the clinic's management and in the organization's governing documents, including "Audited development plan HMR 2023 - 2026 (2037) [1] and "Strategy and action plan for research, innovation, education and competence 2018-2022 Helse Møre og Romsdal" [2]. The development plan, which is the highest strategic document in HMR, must show the development direction and priorities in these four years – with a future perspective towards 2037.

The goal picture in the development plan has four main points:

- Together, we create the patient's healthcare service
- We use knowledge and technology for better health
- We recruit, develop and maintain competent personnel
- We are good team players

The overall goal in HMR for research is: "Research in HMR must be internationally competitive, and strengthen clinical practice and patient treatment". Key strategic investment areas to achieve the goal, are:

- Create a good research culture
- Contribute to high-quality research
- Establishment of research groups
- Regional, national and international cooperation
- User participation
- Acquisition of research funds

These overall focus areas is to be shown in KfD's research strategy. The research strategy must be evaluated annually for the first 3 years.

Purpose

KfD's research strategy will contribute to:

- That research is a natural part of the clinic's operations
- That research is disclosed, especially internally
- Increased research interest and increased understanding of research
- Rational utilization of resources associated with research
- Increased focus on research, development or quality studies that strengthen patient safety
- Increase focus on evidence-based introduction of new methods
- Strengthen our reputation and make us more attractive in the labor market
- Strengthen collaboration with internal and external partners
- Raise the level of research to a good national and partially international level

Research Committee

KfD has mapped all employees with a master's or PhD in the clinic and established a research committee consisting of 7 employees with a master's or PhD, managers and a quality advisor (referent). The research committee has drawn up the clinic's research strategy.

The research committee consists of:

- Endre Grøvik, chairman of the committee, Physicist, PhD
- Sigmund Ytre-Hauge, Radiologist, PhD
- Karla Tomic, Pathologist, PhD
- Anne-Mari Flusund, Radiologist, PhD candidate
- Einar Nilsen, Specialist in microbiology
- Fredrik Granlien, Radiographer, Master
- Martin Grotnes, Radiologist, section leader
- Ann Helen Aakernes, quality advisor KfD, referent.

The chairman of the committee reports directly to the clinic manager. The research committee must have a minimum of 4 meetings per year. The research committee has its own Teams channel, which is open to all employees in the clinic and will also share information on the clinic's website on Innsida/intranet.

Mandate

The research committee is the clinic manager's advisory body for the areas:

- Research projects
- Participation in internal and external studies
- Quality improvement projects
- Funding of research projects
- Innovation and means of innovation
- Clinical implementation of research
- Research ethics
- Disclosure of Invention (DOFI) – (protection of idea)
- Patenting
- TTO (Technology Transfer Office)
- Channels relevant for researchers/projects/publications in KfD – Cristin, OrcID, Google Scholar, etc.

The research committee shall be a resource group for managers and employees in the clinic for questions relating to:

- Research
- Study
- Projects
- Fund – internal and external
- Priorities
- Quality improvement project
- Ethics

The research committee's goals

- Increase the number of employees with a PhD and master's degree in the clinic
- Increase the number of publications where employees of the clinic are on the author list
- Increase the number of lectures given by KfD staff locally, nationally and internationally.
- Increase the number of applications for research, development or quality studies.
- Increase the number of studies initiated by KfD
- Increase external funding for research, development or quality studies
- Increase the number of professional presentations in the clinic.
- Increase the number of quality improvement projects
 - LIS3 implements a quality improvement project initiated by the department's needs

Baseline is 2022 from each department in the clinic.

The research committee must meet these goals by being a resource group and advisory body in the clinic. The research committee will especially help employees to get started with research, research and project design, as well as guide them in the application process for funding. The research committee must also facilitate good collaboration in the clinic, as well as contribute to creating a good research culture.

Anchoring of research in KfD

Research projects that involve resources to such an extent that it affects other planned activities, including personnel, equipment and/or logistics, must be anchored in the clinic management through the Research Committee. This does not apply to PhD projects that are anchored at HF level.

The scientific content, professional relevance and use of resources must be made visible to the committee by written registration of the study (see appendix 1) and via dialogue with the clinic's research committee. The clinic manager then makes the decision whether the study can be started, based on advice from the research committee. When the project has been approved for initiation by the clinic manager, the person in charge must comply with HMR-HF's current procedure for research projects, including notification to the data protection representative for research (PVO) and notification to the FIUK section in the Academic Department with the necessary quality assurance of formal requirements.

Strategic means

KfD should prioritize research activities that contribute to increased interaction between different professions and institutional units.

KfD must strengthen research infrastructure (e.g. research staff) — preferably externally funded. This is important because it will help make it easier for ordinary clinical personnel to participate in/initiate studies.

The research committee must contribute to ensuring that the clinic receives funding for research contributions and secure funding internally and externally. The funding must at least cover the actual costs of operation in accordance with wages and cost of goods. Parts of the amount should go into funds for relevant department(s) where funds are used in accordance with fund statutes. The aim is to secure and increase liquidity in internal funds.

KfD should help ensure that employees with scientific competence are suitable for side positions at the relevant research institution – especially NTNU. It is an overall wish that such shared positions in sum do not amount to more than 100 % of the position, so that research and clinical work can be integrated within an overall normal working time. This presupposes that the employee is released from his clinical position corresponding to the proportion of scientific positions.

KfD must comply with international, national and local/regional legislation and guidelines for research disclosure. All research results from KfD must be disclosed in high-quality academic journals, and preferably in level 2 journals. The results must also be disclosed internally in KfD.

Priorities

Selection of research projects – As a general rule, research projects are initiated and funded within two main categories:

- a. Commercially initiated studies, typically studies initiated and funded by medical technology commercial actors and where HMR is a major or minor partner.
- b. External and internal researcher-initiated studies, typically studies initiated at a university hospital or in your own organization and where the funding is through external research funds.

Both of these categories will be able to contribute to the organization's and KfD's research objectives, but in particular, in researcher-initiated studies based on KfD, it's important to achieve the focus areas.

Focus areas in the clinic

Innovation and medical technology

KfD has modern, advanced technological equipment as a natural part of its operations. Participation in studies with the intention of contributing to innovation and development of medical technology is a natural investment area. Besides, innovation and development of medical technology is something that contributes to better resource utilization and interaction in relevant research areas at KfD, as well as examinations and tests that are adapted to the individual patient.

Research competence

Research competence (master's or PhD) is important to fulfill the overall goal of the research strategy. In the years to come, KfD will focus on strengthening its research competence. It is a prerequisite that employees who receive the clinic's support for entering a master's/PhD course, make a plan in advance in consultation with their immediate manager for how this competence will benefit the clinic/health organization, but also the very employee. It is natural that those who have completed with such, have an additional responsibility to contribute with teaching, guidance and research tasks. It is the manager's responsibility to make arrangements for this and

include it in ordinary operations. During the course, the candidate must contribute with internal teaching and information about their own research/study.

KfD will seek to get support with researcher competence / supervisor competence through collaboration with natural partners, such as NTNU, colleges, research, education, innovation and competence (FIUK) section in the Department of Science, St Olavs Hospital, Oslo University Hospital and other university hospitals.

Registration form for assessment of research project

For the assessment of a research project, a separate form (appendix 1) and any attachments must be collected in one PDF file and sent electronically to the chairman of the committee.

The research committee represents the clinic manager, and must give "first-line" advice on whether the study is feasible / should be initiated. Entries are assessed continuously.

It is requested that the research protocol and project description be attached to the registration form. It is also desirable that the registrant can, on request, give a short presentation of the project to the research committee.

Contact information

Committee leader Endre
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Application for funding

The research committee has created a document that describes the process for applying for research funding "From idea to research project. A supervisor from the Research Committee, KfD" (see appendix 2). This document also contains tips and advice on how to succeed in the application process. Upon request, participants from the research committee can come and present this document.

Other information about research in HMR

<https://helse-mr.no/fag-og-forskning/forskning-og-innovasjon/kom-i-gang-med-forskning-i-helse-more-og-romsdal>

[HMR Forsking og innovasjon – Hjemmeside \(sharepoint.com\)Finansiering - Helse Møre og Romsdal \(helse-mr.no\)](#)

<https://helse-mr.no/fag-og-forskning/forskning-og-innovasjon/dac-godkjenning-av-forskningsprosjekt>

<https://www.klinfoorsk.no/info/WebCRF>

Sources

[1] <https://helse-mr.no/om-oss/utviklingsplan>

[2] <https://helse-mr.no/fag-og-forskning/forskning-og-innovasjon/strategi-og-handlingsplan-fiuk>

Appendix

Registration form for the research committee

From idea to research project. A supervisor from the Research Committee, KfD

Related attachments:

1. Registration form for assessment of research project
2. From idea to research project. A supervisor from the Research Committee in KfD