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NorVIS PSP Scan QR-code to participate in a very short survey



https://nettskjema.no/a/256497

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Overview

• Vision, vision impairments (VIs) and stroke

knowledge translation project

• Implementing vision assessment –The KROSS

• Vision rehabilitation – who, where, when??? Norwegian Vision in Stroke (NorVIS) network • The NorVIS Priority Setting Partnership (PSP): - What do **YOU** like answered by research?

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#### Vision health after stroke matters!

- Post-stroke VIs have negative consequences
- VIs are often «invisible» & needs to be assessed
- Non-vision expert assessment tools exist
- National guidelines recommend vision rehabilitation
- · Need to develop robust patient pathways
- Interdiciplinary collaboration & research NorVIS















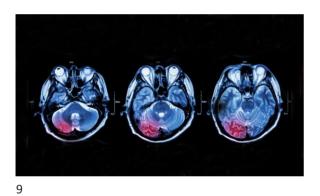








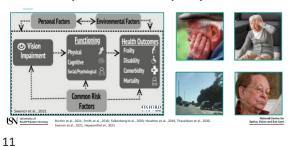




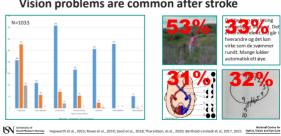
"Sometimes when things turn bad, I really just want to take a pill and be done with it. Not having to struggle with everything ... for example, paying the bills. It feels hopeless."

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### Vision impairments reduce quality of life



#### Vision problems are common after stroke



#### Vision impairments are often "invisible"

«Det er ikke sådan, at der er helt sort i den dårlige side, men jeg kan bare ikke se det. Lidt ligesom jeg heller ikke kan se de ting, som foregår bag ved mig.»



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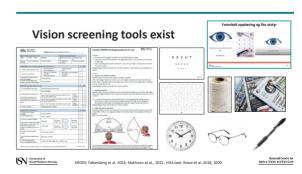


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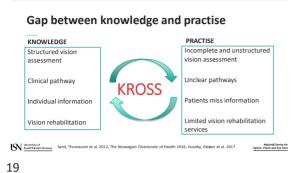
Do you experience vision problems? **Need for structured vision** 

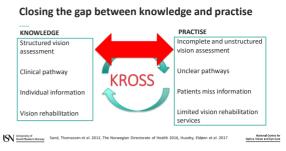
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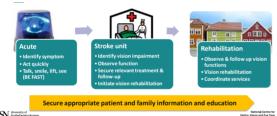


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#### «Et slag for syn» The KROSS KT project

Aim to improve municipal stroke services for persons with poststroke VIs by:

- implementing a structured vision assessment with the KROSS tool
- increase health care personnels competence and attention to post-stroke VIs

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#### A participatory approach to promote success



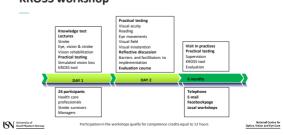
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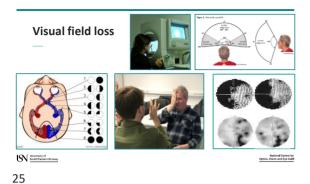


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## **KROSS** workshop







#### «Invisible» vision impairments

Experience of sudden vision problems     distressful but not alarming     Difficulties relating vision problems as a symptom of stroke	Vision problems are experienced as a difficult unknown symptom of stroke	"Invisible" visual impairments
"They primarily do not have it in their checklist"     -an experienced lack of focus on vision in the stroke units     No offer of visual rehabilitation in health services     -a worry	Experiences of inadequate visual care in health services	
Difficult and exhausting to adapt to changes in everyday activities     Life moves on, without driving     Being told that nothing could be done for the vision impairment - accepted, but not convinced	Visual impairments -big impact now and in the future	

University of Score-Seaton Resease

Falkenberg, Mathisen, Ormstad & Ellertsen, 20

thisen, Ormstad & Eilertsen, 2020 Optios, Vision and Eye Care

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## Vision problems are experienced as a difficult unknown symptom of stroke

"I also lost balance you know. It was not only that I did not see -that I saw double - but I was swaying. Just like a drunk man; I was swaying. That was unsettling. Very distressful. So, I went to bed. My son asked if we should call the doctor, but I said: "No, I will try to get some sleep".



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## Experiences of inadequate visual care in health services

"...maybe they primarily do not have it in their checklist. Because it should be just as important to check your vision as it is to check if your arm works or not!

But if your eyes work? Not at all! It is not even on their list!"



National Centre for

Visual impairments -big impact now and in the future

"...probably as that tiredness receded and you know life started to go back, well not to normal, but into it's new ways, it was then that the vision problem became more and more apparent."



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#### **Barriers and facilitators**

Low knowledge about visual functions
 Lack of skills and experience in testing visual
 Generalists, not stroke specialists
 Experience of unsuccessful implementations

Barriers Unclear responsibility for vision care
Lack of structured interdisciplinary collaboration
Lack of formal stroke routines
Time constraints
Difficult to integrate vision tool in the medical re Strong beliefs that including vision in stroke care i. would provide a better health service ii. Leader support and acknowl More flexible work schedule Experiencing new routines to make a difference
Experiencing the tool as useful and evidence based Integration into existing routines Further follow-up and supervision in own practice

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#### **Evaluate implementation**

- Awareness and competence increased
- Signs of VIs became part of their clinical gaze
- KROSS was acceptable
- Experience of delivering better care
- Adoption depended on number of patients
- Integrated into existing routines



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#### What we learned so far

"Before the KROSS workshop, I did not know anything about VIs after a stroke. I knew it existed, but in my education, we did not learn anything about it."



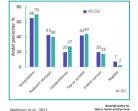
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#### What have learned so far

- · Context matters
- · Using the KROSS tool is an important first step to better vision care
- Need for clear routines and referral pathways for interdiciplinary vision rehabilitation after stroke



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## Vision rehabilitation





University of Opcal, 2012, Sand et al., 2016, Berthold-Linstedt et al., 2017, Tharaldsen et al., 2020; Rowe et al., 2011, 2011, 2011, 2019, Smeddund & Myrhaug, 2017, Helsedirektoratet, 2021, Axelsson et al., 2019, Poliock et al. 2019

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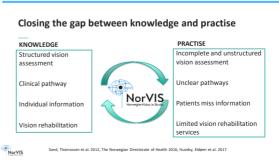












#### Develop new knowledge together & share!



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#### 1st NorVIS Young researchers conference, 24.08.22





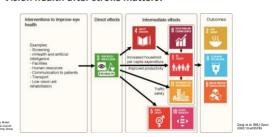


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# Plutselig problem med å SE må du ringe 113!

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#### Vision health after stroke matters!



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#### NorVIS **Priority setting partnership**

- identify unanswered questions about the prevention, diagnosis and treatment of vision problems after stroke  $\boldsymbol{that}$ patients, relatives, carers and professionals wish to see answered • Prioritize top 10 areas
- Share to influence new research

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#### We need you!

- What question(s) about vision problems and stroke do YOU like to see answered by research?
- · Anonymous online survey
- https://nettskjema.no/a/256497
- Write 1-3 questions YOU want answered
- Stroke survivors w/wo vision problems, family,





