

Do patients need to go to USA to get help after concussion?

Concussion treatment in Denmark

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What is my background?



National Klinisk Retningslinje for non-farmakologisk behandling af længerevarende symptomer efter hjernerystelse

Januar 2021

Klinisk retningslinje

- Fysioterapeutisk undersøgelse og behandling efter hjernerystelse







Agenda

- What is the problem in Denmark?
- What is a concussion and how should we treat it?
- What are the treatment opportunities in Denmark?

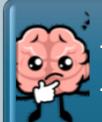
- What we do in Svendborg Municipality
- Where you can learn more





What is the problem in Denmark?

She told me to go home and relax and that symptoms could last for a long time. I didn't get any information at all. She didn't tell me if I could use television, computer or my phone ... I needed someone to guide me, so I used my phone. (Susan)



- "Misinformation"
- Lack of information

He didn't know of any places to get rehabilitation. I heard about this place from someone who sent me a link to their website, so he checked it out But it wasn't something the municipality would grant me, and it was too expensive for me to pay myself. So, I had to try to figure out an alternative. (Martha)



- Lack of knowlegde and (free) treatment opportunities





What is a concussion?



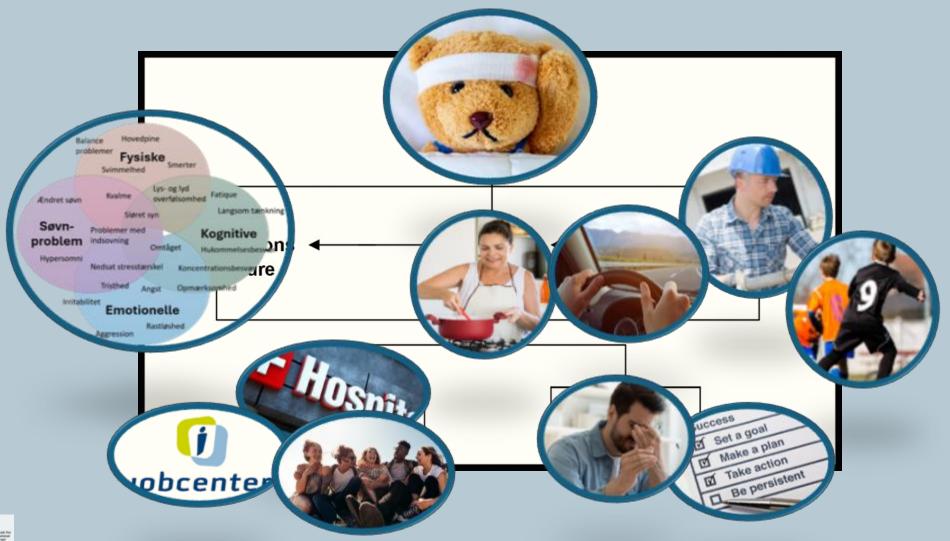
Concussion or mTBI is defined as a transmission of mechanical energy due to a blow to the head, neck, or body that results in disruption of brain function.

Rytter, H. M., et al. (2021). "Nonpharmacological Treatment of Persistent Postconcussion Symptoms in Adults: A Systematic Review and Meta-analysis and Guideline Recommendation.



What is a concussion?

International Classification of Functioning, Disability and Health (ICF)







Do people recover after concussion?



School

Mean 8,3 days [95% CI 5,6-11,1]

Sport

Mean 19,3 days [95% CI 18,8-20,7]

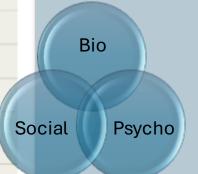
Work

- Median 6 (IQR 1-15) to 36 days (IQR 14-53)
- 56% within 1 month [95% CI 30%-79%]
- 83% by 6 months [95% CI 74%-0.89%]



What are the recommendations in Denmark?

PICO	Intervention	Certainty of evidence	Recommendation
PICO 1	Systematically offered information and advice	Very low	Weak recommendation for
PICO 2	Graded physical exercise	Very low	Weak recommendation for
PICO 3	Vestibular rehabilitation	Very low	Weak recommendation for
PICO 4	Spinal manual therapy	Very low	Weak recommendation for
PICO 5	Oculomotor vision treatment	No relevant evidence identified	Good clinical practice statement
PICO 6	Psychological treatment	Low	Weak recommendation for
PICO 7	Interdisciplinary coordinated rehabilitative treatment	Low	Weak recommendation for







What should I do as a Physical Therapist?

- Determine appropriateness of a physical therapy concussion examination based on comprehensive patient interview
- Determine possible movementrelated impairments and level of irritability
- Seek advice or refer if needed

CLINICAL PRACTICE GUIDELINES

CATHERINE C. QUATMAN-YATES, PT DPT, PhD - AIRELLE HUNTER-GIORDANO, PT, DPT KATHY K. SHIMAMURA, PT DPT, NCS, CCS, CSCS, FAXOMPT - ROB LANDEL, PT, DPT, FAPTA BARA A. ALSALAHEEN, PT, PhD - TIMOTHY A. HANKE, PT, PhD - KAREN L. McCULLOCH, PT, PhD, FAPTA

Physical Therapy Evaluation and Treatment After Concussion/ Mild Traumatic Brain Injury

Clinical Practice Guidelines Linked to the International Classification of Functioning, Disability and Health From the Academy of Orthopaedic Physical Therapy, American Academy of Sports Physical Therapy, Academy of Neurologic Physical Therapy, and Academy of Pediatric Physical Therapy of the American Physical Therapy Association

LOction Socids Plays Their 2020;50(4):CPG2-CPG73, doi:10.2519/joset.2020.0301





What should I do as a Physical Therapist?

Intervention Strategies Communication and Education Reassurance that most patients recover quickly – A Self-management of symptoms - B Importance of relative rest - B Benefits of progressive re-engagement in activities - B Importance of sleep - B Safe return-to-act Potential Signs/Sym Refer for consulta Cervical Musculoskeletal Vestibulo-oculomotor Autonomic/Exertional Tolerance Motor Function symptoms; and co Impairments Impairments Impairments Impairments Target identified or suspected motor Exercises and manual therapy to Benign paroxysmal positional vertigo: Symptom-guided, progressive aerobic address cervical and thoracic spine use canalith repositioning exercise training program considering function impairments, including static dysfunction, such as strength, range interventions - A balance, dynamic balance, motor goals, comfort level, lifestyle, and Individualized vestibular and oculomotor of motion, postural position, and/or equipment access, with coordination and control, and sensorimotor function - B rehabilitation plan, visual-motion moderate/low irritability - A dual/multitasking - C habituation program - B Therapists without appropriate training in vestibular and oculomotor rehabilitation should refer patients with these impairments to a clinician with appropriate expertise - F









Where can patients get help? – and how?





Where can patients get help? - and how?

Interdisciplinary rehabilitation opportunities in Denmark

Municipalities

- Not all have a rehabilitation offer for concussion
- Different referral pathways (legislations)
- Different content, professions and organization

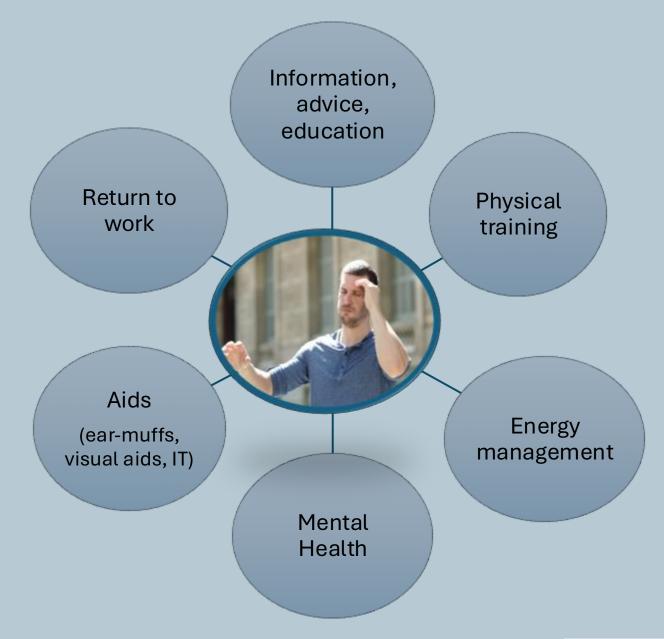
Special institutions

- Not free of charge
- May be far away from patient's home



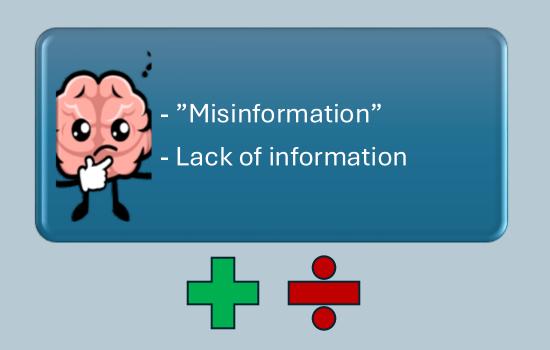
Svendborg Municipality

- Physiotherapists
- Occupational Therapists
- Audiologopedics
- Case managers
- Neuro-optometrist





Do we have a problem in Denmark?







Do patients need to go to USA to get help after concussion



... and maybe you can help them on their way...



More ressources

Dansk Center for Hjernerystelse

https://dcfh.dk/

For health professionals

Hjernerystelse: Symptomprofiler

Årets konference for fagpersoner 30. april 2025 Centralværkstedet, Aarhus



For patients

Dansk Center for Hjernerystelse

Voksne med hjernerystelse - Hvad nu?

En hjernerystelse er en påvirkning af hjernen, der kan komme efter, at man har fået et slag mod hovedet etter en voldsom rystelse af hovedet, nakken eller kroppen. De fleste kommer sig inden for z-g uger, men nogle oplever, at symptomerne varer længere. En hjernerystelse strongeritiesses af en læner.

Information til arbejdsgivere om længerevarende symptomer efter hjernerystelse

Informationsark og vejledning til lærere og pædagoger i grundskolen.

I skole igen efter hiernerystelse



Do you want to learn more?

Fysioterapeutisk undersøgelse og behandling af hjernerystelse

Fysioterapeutisk undersøgelse og behandling af hjernerystelse

Kurset udbydes af DSSF, Muskuloskeletal selskab og neurologisk selskab.

Medlemmer af disse 3 selskaber betaler medlemsprisen.

Dato Forår: 19.+ 20. Maj & 19. Juni 2025

Dato Efterår: Sted: Odense













