Hyperbaric medicine in Sweden 2025

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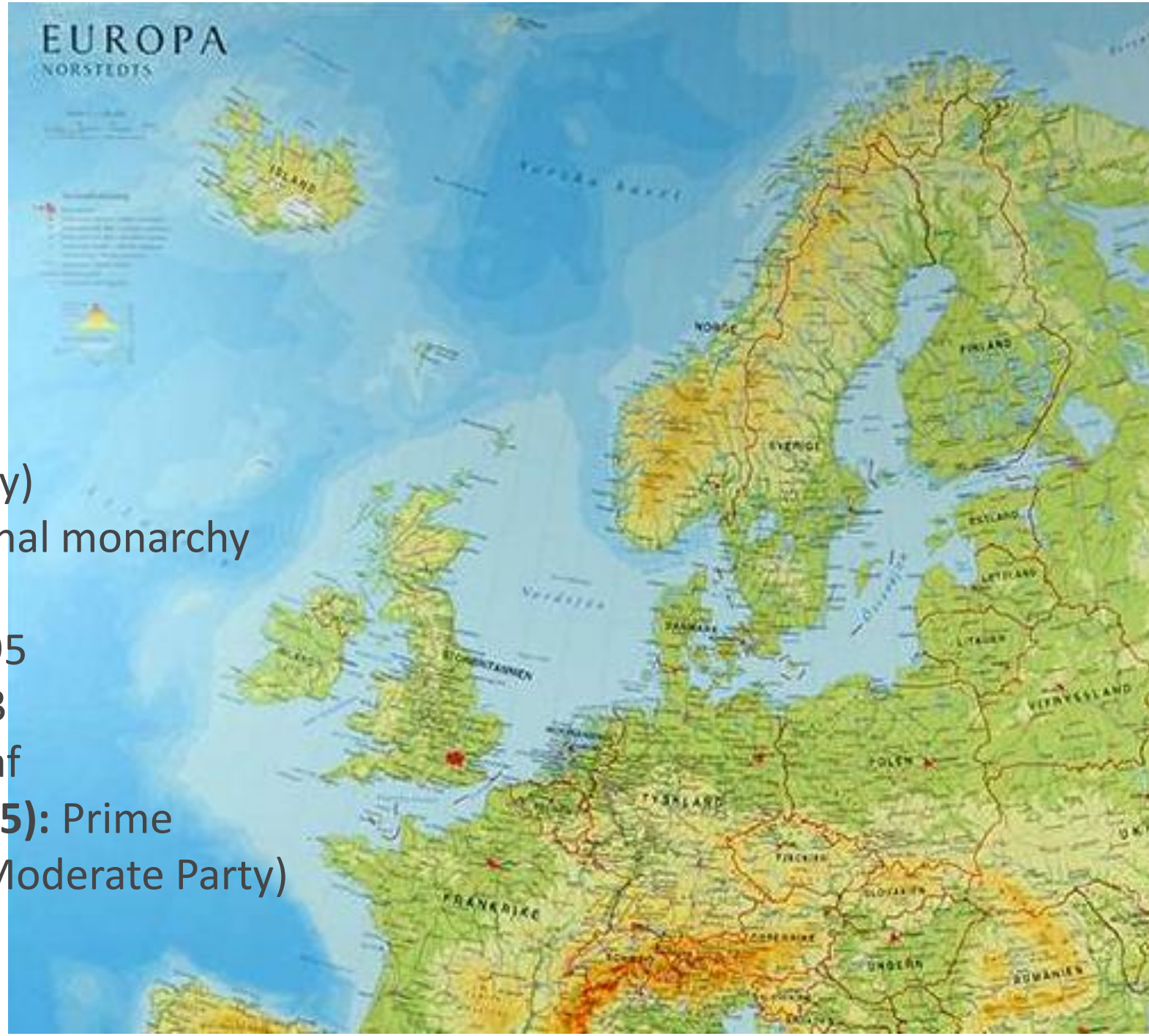
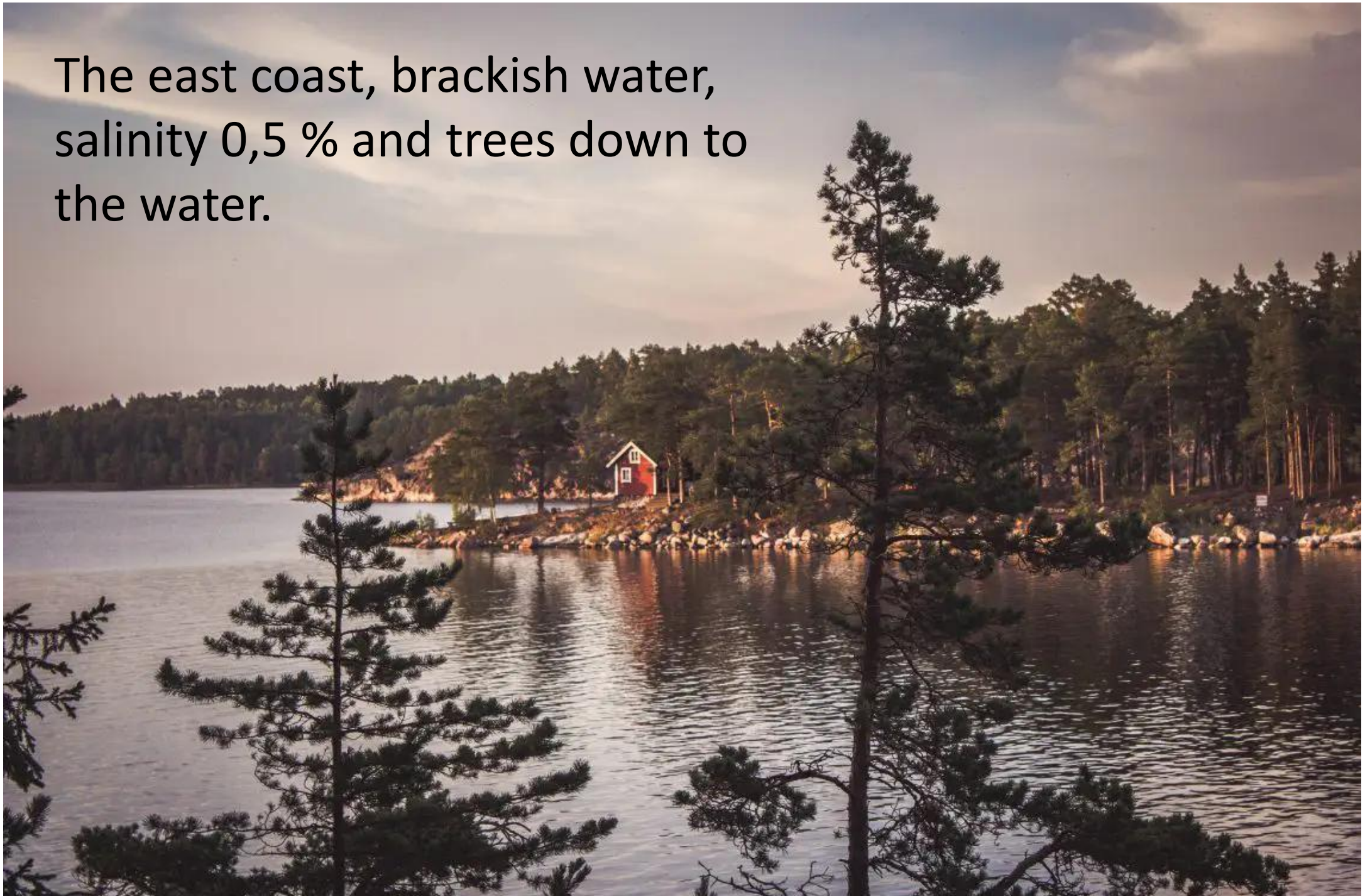
Sweden

- 10 milj inhabitants
- 1600 km from north to south
- 300 km from east to west
- **National day:** 6 June (National Day)
- **Form of government:** Constitutional monarchy
- **Parliament:** Riksdagen (349 MPs)
- **Membership of the EU:** Since 1995
- **Membership of NATO:** Since 2023
- **Head of State:** King Carl XVI Gustaf
- **Head of Government (March 2025):** Prime Minister **Ulf Kristersson** (Swedish Moderate Party)




The east coast, brackish water, salinity 0,5 % and trees down to the water.

The west coast. Ocean water salinity 2,5 – 3%

An old fishing village on the west coast where the houses are built close together to give shelter for strong wind. Today most of these houses are summer houses.

Northern Sweden in the winter

But we also have nice beaches, most of them in the south.
Water temperature 16 - 20 C in the summer.

9
SOPA AV
DIN BIL HÄR

HBO-chambers in Sweden
Norska havet
Island
avik
Sverige
Norge
Finland
Sankt
Petersburg
Санкт-Петербург
Oslo
Stockholm
Göteborg
Östersjön
Estland
Lettland
Karlskrona
Helsingborg
Nordsjön
Danmark
Litauen
Moskva
Москва
Storbritannien
Dublin
Irland
Nederländerna
London
Berlin
Polen
Warszawa
Belarus
Kiev
Київ
Tyskland
Belgien
Paris
Tjeckien

HBO activities in Sweden

Four hospitals have HBO-activities.

- Stockholm Only office hours
- Gothenburg 24/7 activities for diving emergencies
- Karlskrona 24/7 activities for diving emergencies - with navy support
- Helsingborg Only office hours

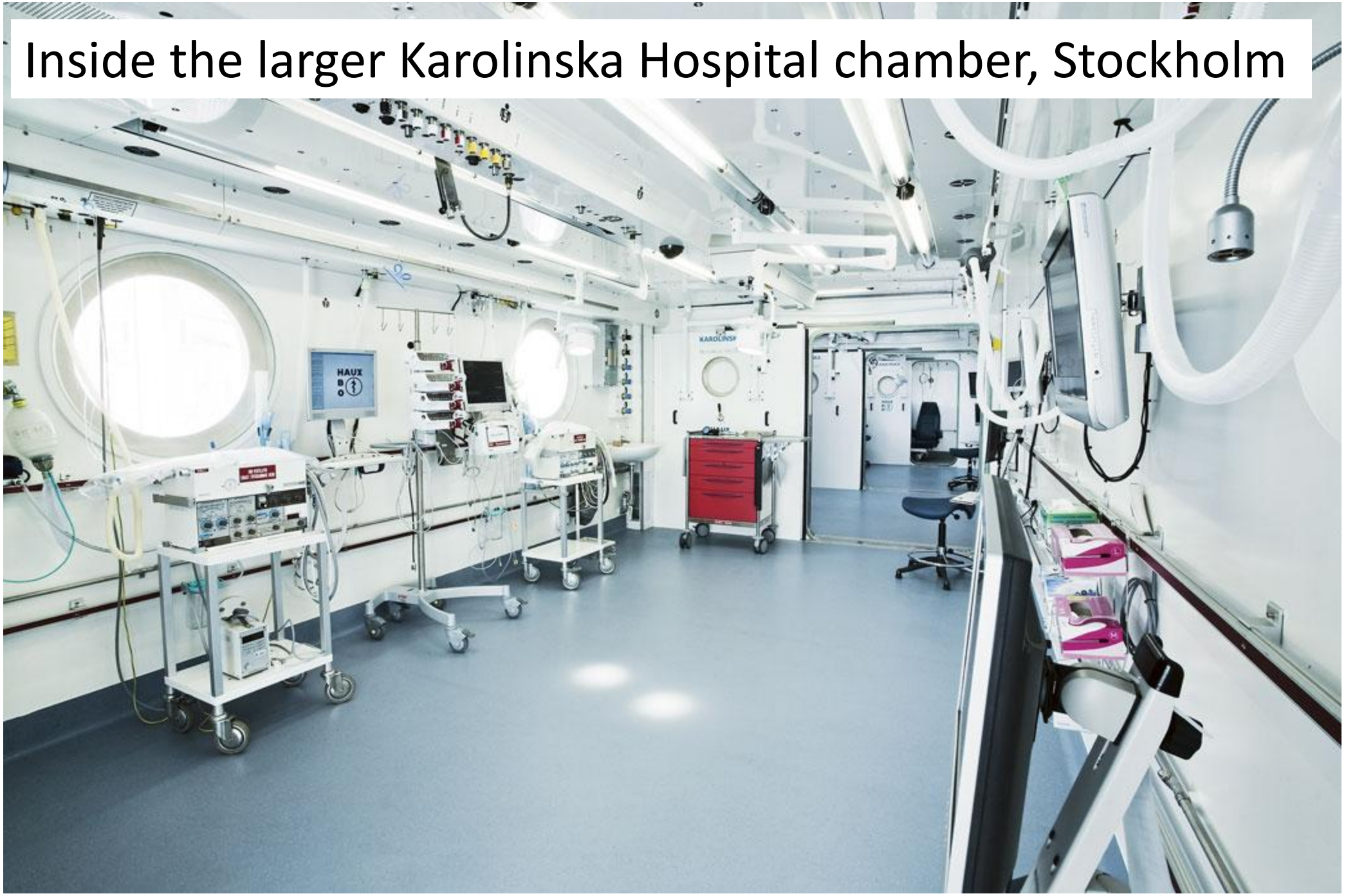
Most common diagnosis behind HBO-treatments are

- radiation side effects
- osteomyelitis
- diabetes ulcers

Karolinska hospital, Stockholm. Two large Haux chambers

The outside of the smaller

Inside the larger Karolinska Hospital chamber, Stockholm



HBO-center Karolinska Hospital, Stockholm

Maximum capacity	6400 treatments/year
The year 2024	1400 treatments

Radiation damaged soft tissue	≈ 605%
Chronic infections/wounds	≈ 30%
Acute infections, complicated wounds	≈ 10%
IC of severe acute infections/wounds	≈ 10%
DCI, AGE, and CO intox	≈ 1%

HBO-center, Östra Hospital Göteborg

Number of treatments	≈ 2000/year
Radiation damaged soft tissue	≈ 43%
Radio osteo necrosis	≈ 18%
Acute infections, complicated wounds	≈ 19%
DCI, AGE, and CO intox	≈ 10%

The most common type of Built In Breathing System, BIBS, has two breathing membranes. One for inhalation and one for the dump valve taking the exhalations to the outside of the chamber..

For other types of patients in hospital HBO, hoods and low pressure free flow systems are often used to offer comfort.

Three of the four hospitals with multiplace chambers also have one or more monoplace chambers.

The Diving and naval medical center, DNC, in Karlskrona, Sweden has, since 2010, a Haux Starcom 2300 fitted with a Lanphier wall to allow wet experiments in a horrisontal chamber.

Hyperbaric medicine in Sweden

- 100 physicians with knowledge in diving medicine and HBO.
  Have taken a **EDTC/ECHM** training course and have a license
    Of these about 10 full time activity in HBO/diving and
    16 are registered for FTD assessments.
- 9 are members of European Underwater & Baromedical Society, **EUBS**
- **Scandinavian Hyperbaric Medical Society** has 100 members (physicians and nurses) in Scandinavia (Sweden, Norway, Denmark and Finland)
- **Swedish Aero-Nautical Medical Association** has 50 members (physicians and pilots) in Sweden

The Swedish Aeronautical Medical Association.

- Has about 50 members
- Has an annual scientific meeting
  named Scientia et Valebat” (Science and Pleasure)
  including published proceedings.

Svensk Flyg- och Marinmedicinsk Förening presenterar

SCIENTIA ET VALEBAT X

2024

Fria föredrag eftermiddagen den 6 december kl 13-17
Karolina Widerströmsalen, Svenska Läkaresällskapet
Klara Östra Kyrkogata 10, 111 52 Stockholm

Svensk flyg- och marinmedicinsk förening (SANMA) har funnits i över 60 år. Föreningen är en del av Svenska Läkarsällskapet samt medlem i The European Society of Aerospace Medicine (ESAM).

Bli medlem, se www.sanma.se

SANMA
the Swedish Aeronautical & Naval Medical Association

Välkommen till SANMA - Sveriges Flyg- och Dykmedicinska Förening

Scienti et Valebat X gick av stapeln på SLS. Många otroligt intressanta föredrag men ett som alla dykläkare måste ta till sig rör den nya "Medical assessment of working divers" som kommit i en ny utgåva. Den går att beställa redan nu, men sannolikt kommer vi få mer kött på benen från AV och Mats Hagberg när AFS för dykning skrivs om. Jürg Wendling som höll föredraget på sedvanligt tydlig och didaktiskt sätt. Ett föredöme i tydlighet!

Hans Örnhagen har kommit ut med ett nytt nyhetsbrev. Alltid intressant läsning!

Om ni har tid över att lyssna på poddar, missa inte Andnöd från Kaliber på SR. Det är fyra avsnitt in alles.

På begäran länk till TS lista över flygmedicinska kongresser.

- Start
- Medlem
- SIPE 2017 fotoalbum
- Aukt. flyg-/dykläkare
- Länkar
- Protokoll
- Passerat..
- Örnhagens nyhetsbrev
- Video

Styrelse
Ordf. Håkan Sköldefors -25
V ordf. Ioannis Magounakis -26
Sekr. Claes Bothin -26

Just under 100 members.
One scientific meeting each year
This spring, 2025, in Copenhagen, Denmark

SHMS

Privat grupp · 50 medlemmar

+ Bjud in | Dela | Har gått med

Diskussion | Utvalt | Medlemmar | Evenemang | Objekt | Filer

Skriv något ...

Anonymt inlägg | Foto/video | Omröstning

Om

Scandinavian Hyperbaric Medical Society.

Welcome to the new FB-page for SHMS - Scandinavian Hyperbaric Medical Society! Feel free to post ques... Visa mer

Privat

https://www.facebook.com/photo/?fbid=10207218075249156&set=p.10207218075249156

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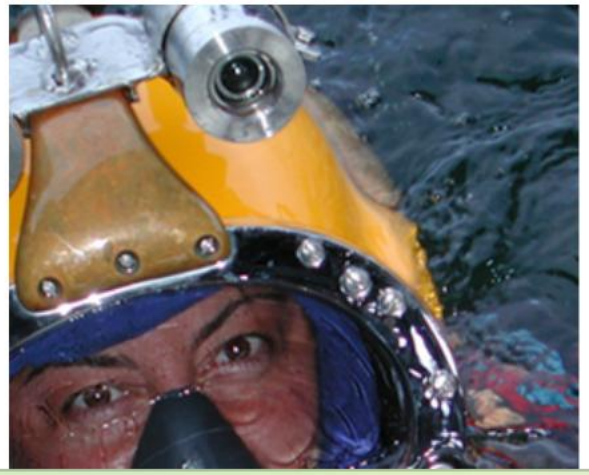
2025-02-13

IDMEB
INTERNATIONAL DIVING MEDICAL EXPERT BOARD

DIVING MEDICAL REGISTRY

SCUOLA SUPERIORE SANT'ANNA PISA

Hosted by the International Diving Medical ExpertBoard IDMEB



Webmail (10)
Home
edmd.eu

FOR DIVERS

Locate a doctor for medical examination

LOGIN

Registered users only

New applicants registration

FOR EMPLOYERS

Locate a doctor for operational support

Verify fitness certification

Submit medical information on an employee

Consiglio Nazionale delle Ricerche
IFC - Istituto di Fisiologia Clinica

with support of Medical Subcommittee

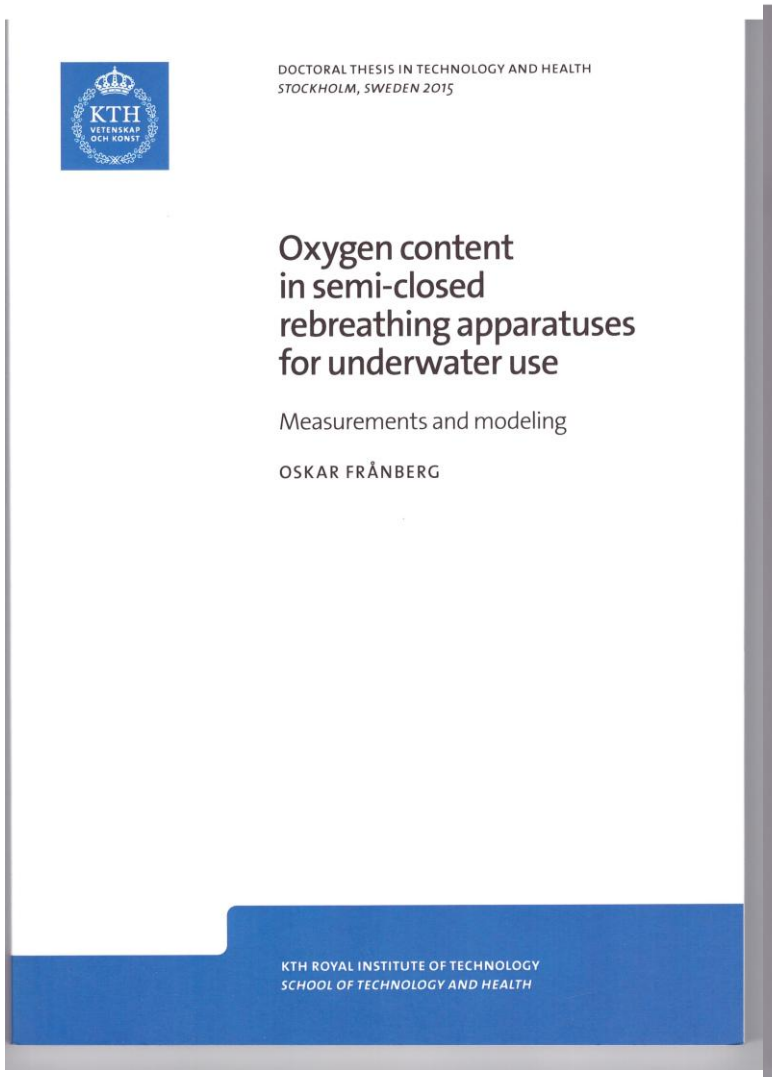
developed by IFC-CNR/SSSUP Contacts: postmaster@edmd.eu

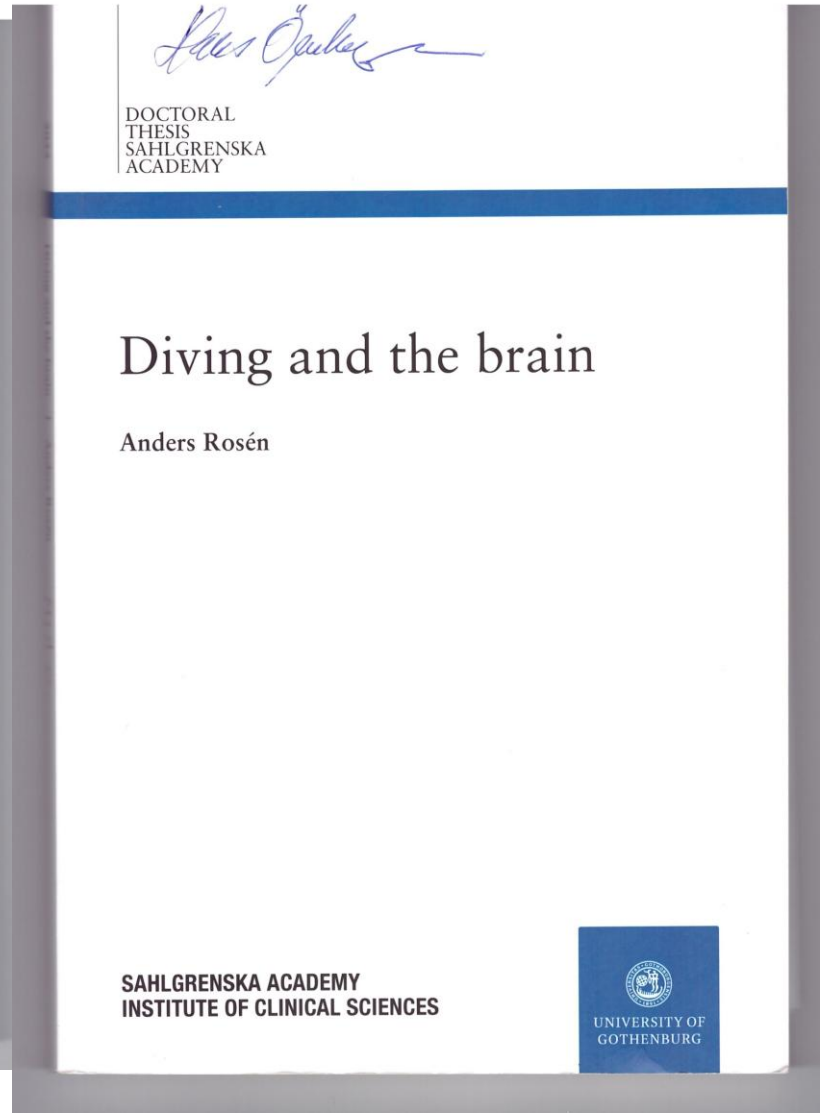
15:03
2025-02-13

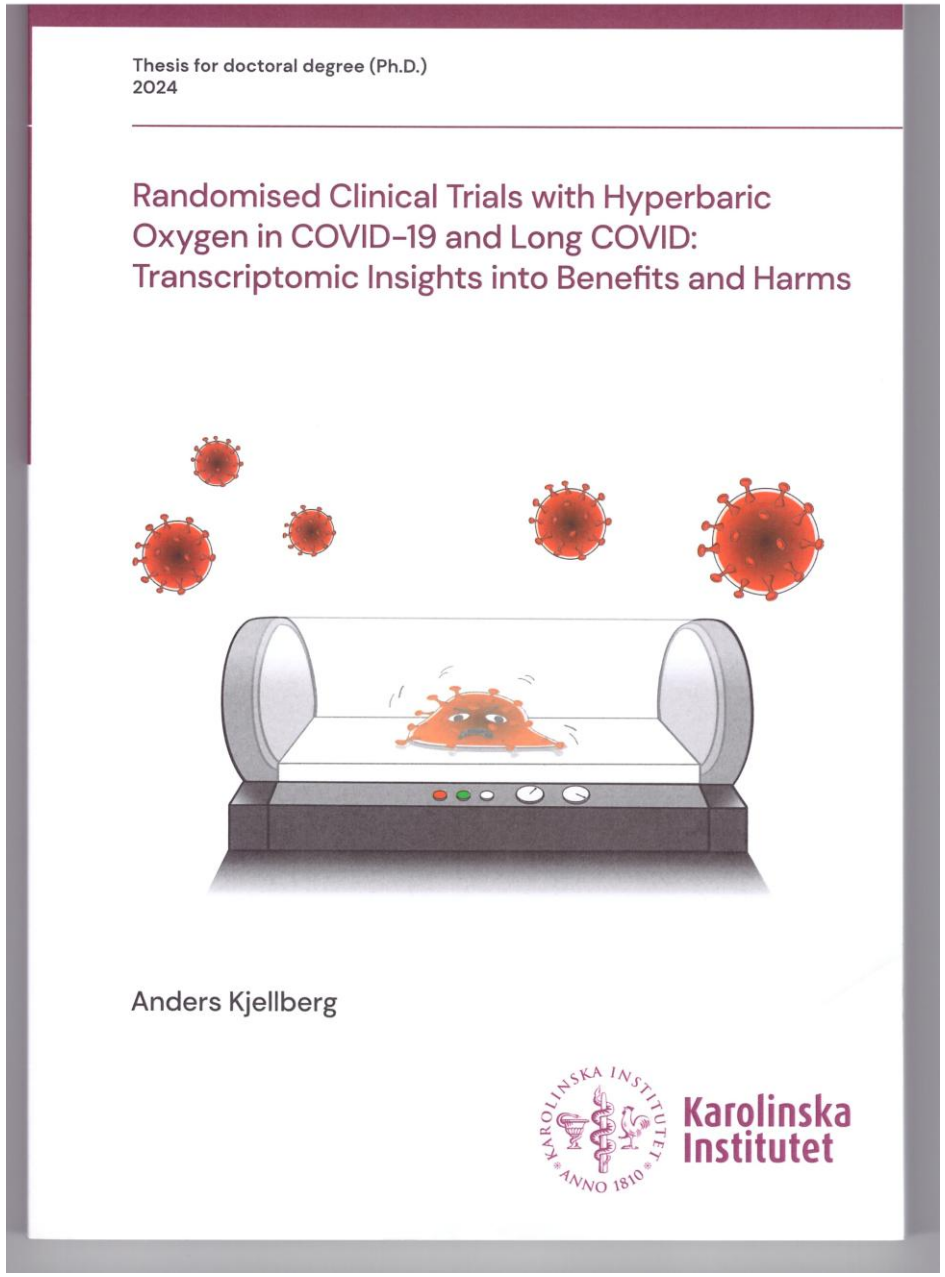
Diving Medical Registry. Page to find doctors for Fitness to Dive assessments

Enlage map to see details.
In crowded areas many doctors could be found under one symbol.

Some dissertations from Swedish universities







Diving in Sweden

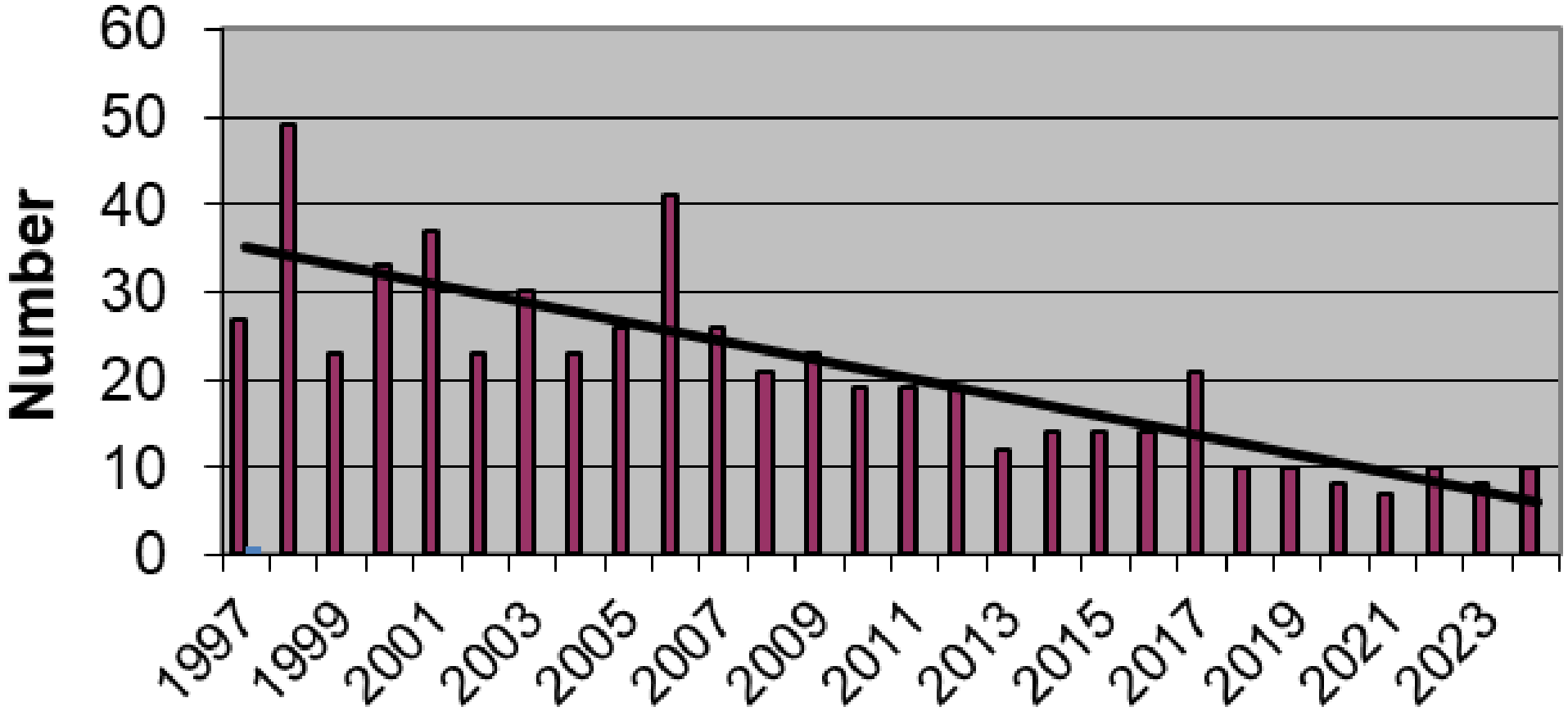
- 200 professional divers, in 20 larger and 20 smaller construction companies
- 400 rescue divers in Rescue squads at cities at the coast
- 200 navy divers, Armed forces
- 150 scientific divers, Universities
- 30 000 sports diving licences
  - A small number dive all year around despite ice.
  - Most of them dive abroad, in Egypt, Maldives, etc

The most common diving related medical problems in Swedish divers

Hagberg, and Örnhagen, 2003

	Sportsdiving instr. men	Sportsdiving instr. women	Armed forces divers, all men
Type of problem	Problems/ 1000 dives	Problems/ 1000 dives	Problems/ 1000 dives
Headache	8.9	11.0	11.5
Musclulo-skeletal strain	1.7	1.4	7.1
Ear problem	1.3	2.3	3.9
Cut or bruse	1.2	1.0	2.4
Sinus squeeze	1.3	1.8	5.6
Symptoms of DS	1.5	1.3	1.0

Number of divers treated with recompression in Sweden 1997 - 2024



Number of fatalities in recreational diving in Sweden 1995 to 2024
8
7
6
5
4
3
2
1
0
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
2023

Two manufacturing companies for diving equipment

INTERSPIRO