

Focus on divers



subsea 7

Developments in their interest !?



International initiatives

The International Association of Oil & Gas Producers

Diving Operations Sub Committee (DOSC)

- Focus Areas
 - Oxy Arc
 - Hyperbaric evacuation
 - Diving equipment auditing
 - Diving statistics
 - Inshore/Inland Safety

Standardisation worldwide should improve safety!!

The Competence Program Diving 2007-2011

- In depth scientific research of the following
 - Diving and Health
 - Environmental Control
 - Diving Equipment
- Main goal to acquire more field info in order to get more insight in diving and dive related issues

This is of international interest for all
divers!

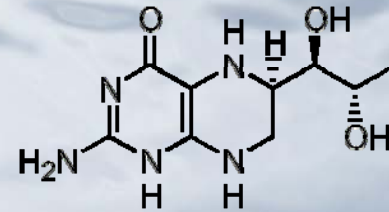
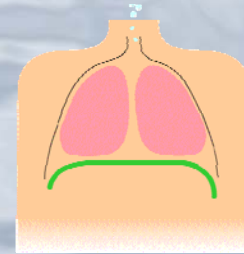
PHD-STUDENTS

- Roles
- Ideas for the future
 - Closer dialog with the diving industry
 - Consciousness about the difference between industry sponsored research and university initiated research
 - Co-operation
 - Joint PhD program
 - HR and/or HSE in different companies
 - Summerschool programs?
 - Other applied physiology aspects

Promising and necessary for the
industry

There is more in a divers body

- Nitric oxide in exhaled gas
- Tetrahydrobiopterin (BH4 = cofactor)
- NO synthase (NOS = enzyme)
- Scientific research continues on these subjects



I think this is in their interest !

voluntary long term health surveillance

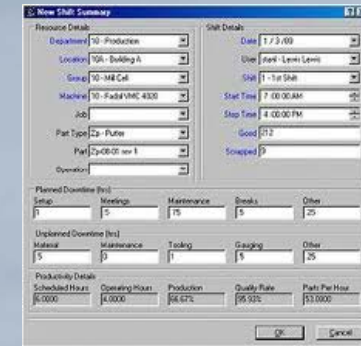
OLF/IMCA Long Term Follow Up of Divers Health Project 2005



medical



Questionnaire

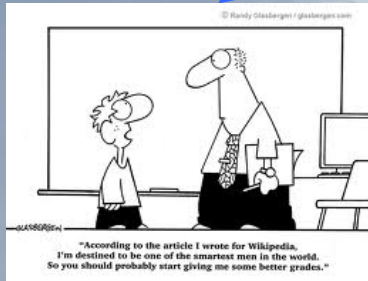


Acquire data

Cooperation the biggest challenge

voluntary long term health surveillance

Improving Participation



Education



Discussion



WASP



Medics involvement

Make use of the existing infrastructures

Gårsdagen kan vi lære av, men den er historie.

We can learn from what happened yesterday, but it is history.

groups exposed to risks

GER campaign; focus on groups exposed to risks, and concluded from their audits that there were major differences in the risk picture between operating and contracting companies.

PSA has presented accident statistics for the period 2001 to 2010. These statistics show major differences by occupation and a slightly higher accident rate for contractors in 2010.

“Diving on the NCS is conducted on acceptable terms and at a level of risk comparable with other petroleum industry in Norway. These conditions have prevailed for longer than many might think.”

Fremtiden starter nå!

The future starts now!

Gårdagen kan vi lære av, men den er historie.

We can learn from what happened yesterday, but it is history.

framework conditions

Framework conditions are so numerous that it is impossible to make a summary of it, everybody is able to name a few, so I leave this to yourself

The future will give us some challenges that the industry will have to address:

- The impact of framework conditions on HSE work
- Evaluation of working environment factors measurements as a whole
- Noise during manned underwater operations
- Requirements for health monitoring. Voluntary or compulsory?
- Active use of health data when planning manned underwater operations.

Fremtiden starter nå!

The future starts now!

Remarks from a Medic

Future Focus Areas

- All the health related scientific research should be out of the companies HSE systems, to create safe use of confidential information
- Long term health surveillance needs:
 - Safeguards for confidentiality
 - More involvement/use of the onboard medics
- Give the medics the proper tools to perform these tasks

There are old divers and there are bold divers. There are, however, no old bold divers.

Finally

Thank you very much for your attention and many thanks to:



In diving to the bottom of pleasure we bring up more gravel than pearls.

Honore de Balzac