

Occupational Hazards and Reproductive Health

Quality Hotel View, Malmö, Sweden

26-28.4.2022

Tuesday, April 26th 2022: Setting the stage and reproductive outcomes

9.30-9.45	Course registration and coffee	
9.45-10.00	NIVA welcome and general information	Cecilia Weckman, NIVA
10.00-11.00	Introduction of lecturers and participants Scope and purpose of the course	Karin Sørig Hougaard, DK Lars Rylander, SE
11.00-11.30	<u>Group work 1</u> : Reproductive health, mapping risks at work and in private	Karin Sørig Hougaard, DK
11.30-12.30	<i>Lunch</i>	
12.30-13.15	Infertility: epidemiology, determinants and measures – including the scientific controversy of declining sperm counts	Jens Peter Bonde, DK
13.15-14.00	Pregnancy and perinatal outcomes – relative to the work environment	Karin Källén, SE
14.00-14.15	<i>Coffee break</i>	
14.15-14.45	<u>Plenary discussion</u> : Discussion of two specific examples of pregnant women working in risky situations? (Experiences on individual risk communication)	Luise Mølenberg Begtrup, DK
14.45-15.15	Male mediated developmental effects	Jens Peter Bonde, DK
15.15-15.30	<i>Break</i>	
15.30-17.15	Occupational reproductive hazards, part I Noise and whole body vibration Particulate air pollution (at work) Toxicological risk factors (Discussion after each presentation – how should these factors be handled for working, pregnant women, based on the presented evidence?)	Jenny Selander, SE Jenny Selander, SE Karl-Christian Nordby, NO
19.00–	Dinner at the hotel	

Wednesday, April 27th 2022: Epidemiological issues and reproductive hazards

9.00–9.15	Group discussion: Recapitulation of yesterday's main points	Lars Rylander, SE
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9.15–10.15	Occupational reproductive hazards, part II Work time/shift work Psychosocial strain <i>(Discussion after each presentation – how should these factors be handled for working, pregnant women, based on the presented evidence?)</i>	Paula Hammer, DK Karin Sørig Hougaard, DK
10.15-10.30	<i>Coffee break</i>	
10.30-11.30	Reading an epidemiological paper on occupation and reproduction	Lars Rylander, SE
11.30-12.30	<i>Lunch</i>	
12.30-13.30	<u>Group exercise</u> on reading scientific, epidemiological papers <i>(One old and one new epidemiological paper to feed into later discussion on how to handle this in the occupational setting, based on case description)</i>	Lars Rylander, DK Karl-Christian Nordby, NO Louise Møgelberg Begtrup, DK
13.30-14.15	Group work reports – reading epimiological papers	Lars Rylander, DK Karl-Christian Nordby, NO Louise Møgelberg Begtrup, DK
14.15-14.30	<i>Coffee break</i>	
14.30-15.00	Occupational reproductive hazards, part III Ergonomic risk factors: Prolonged Standing, Heavy Lifting, Strenuous Work <i>(Discussion after each presentation – how should these factors be handled for working, pregnant women, based on the presented evidence?)</i>	Jens Peter Bonde, DK
15.00-15.40	Epigenetics, short introduction: (What is it, examples, potential implications, intergenerational transfer) <u>Group discussion:</u> Epigenetic issues – how to regulate?	Karin Sørig Hougaard, DK
15.40-15.45	<i>Break</i>	
15.45-16.30	How to read animal experiments - and extrapolate to humans	Karin Sørig Hougaard, DK
16.30-17.15	<u>Group exercise</u> on reading a scientific, animal study (on anaesthetic gases), incl. group work reports	Karin Sørig Hougaard, DK
18.00–	<i>Social program and dinner</i>	

Thursday, April 28th 2022: Reproductive hazards contd. and regulation

9.00–9.15	Group discussion: Recapitulation of yesterday's main points	Lars Rylander, SE
9.15–10.00	Searching for information on chemical reproductive toxicants <u>Group exercise:</u> Searching for data	Karin Sørig Hougaard, DK
10.00-10.15	<i>Coffee break</i>	
10.15-11.15	(EU) Rules for pregnant and lactating women (Policies in different Nordic countries?) <u>Group discussion:</u> How can we better protect fertility and pregnancy until the employer is notified by the pregnant woman?	Karl-Christian Nordby, NO (+Karin Sørig Hougaard, DK)
11.15-11.30	Adjustment of work during pregnancy – including sick and maternity leave	Luise Mølenberg Begtrup, DK
11.30-12.30	<i>Lunch</i>	
12.30-13.15	<i>Contd.</i> Adjustment of work during pregnancy – including sick and maternity leave	Luise Mølenberg Begtrup, DK
13.15-13.45	Handling of pregnant workers at a large, chemical production and research plant	Søren Thor Larsen, Haldor Topsøe, DK
13.45-14.30	Group exercise with coffee: Case: How should chemicals be handled? (Based on the two epidemiological and the one animal study that was discussed in previous sections)	Luise Mølenberg Begtrup, DK Lars Rylander, DK Karl-Cristian Nordby, NO Karin Sørig Hougaard, DK
14.30-15.00	Closing of the course	Karin Sørig Hougaard, DK Lars Rylander, SE Cecilia Weckman, NIVA