Absence of risk of colorectal cancer among workers at a UK polypropylene production plant

Editor—Concern about the possibility of an association between colorectal cancer and polypropylene was raised by a report of a 5-6-fold increase in incidence of colorectal cancer in a small cohort of polypropylene production workers in the United States. The US Occupational Safety and Health Administration (OSHA) has listed polypropylene as a respiratory hazard among workers involved in polypropylene manufacturing. However, the US National Institute for Occupational Safety and Health (NIOSH) and the US National Cancer Institute (NCI) have not identified any association between polypropylene and colorectal cancer in workers involved in polypropylene manufacturing.

A study published in 1994 by Carrington et al. reported a significant increase in the incidence of colorectal cancer among polypropylene workers in the UK. The study was conducted at a polypropylene plant in Cheshire, UK, and involved a cohort of workers who had been employed at the plant for at least one year. The study found a statistically significant increased risk of colorectal cancer among polypropylene workers compared to the general population.

The absence of risk in the study described in this letter is consistent with other recent studies of polypropylene production workers in Australia and Germany, and further strengthens the argument against a causal relation between polypropylene and colorectal cancer. It should be noted, however, that the study has low power and the longest period of follow up is only 20 years.

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Isotretinoin induced rubber glove dermatitis

Editor—A 25 year old final year medical student presented to the occupational health unit during her obstetric attachment with a punctate, scaly, erythematous rash on the dorsum of both hands (figure). There was a clear association between the initial onset of the rash, exacerbations, and wearing of surgical gloves for obstetric delivery. She was advised to avoid wearing gloves and the symptoms resolved within a week. Further glove wearing did not reproduce symptoms.

She had worn a variety of gloves throughout her clinical training, including those associated with the rash. She had not had problems previously. She had a family history of atopy but had never experienced symptoms herself.

Four months previously she had started a course of isotretinoin (Roaccutane-Roche) for facial acne. The course finished one week after the glove rash resolved. She was on no other medication. Patch tests were carried out four weeks after the rash had resolved. The European standard battery of patch test allergens, as well as samples of all the gloves worn proved negative.

Isotretinoin induced susceptibility to the irritant effect of rubber gloves is the most likely explanation for this short lived episode of dermatitis. Redness and dryness of the skin are well recognised side effects of isotretinoin; however this apparent ability to precipitate irritant contact dermatitis is less well known. There is only one other case of isotretinoin; associated contact dermatitis in the scientific literature and this followed the use of epilation wax for facial hair.

Irritant and allergic contact dermatitis to gloves is a serious condition for health care workers with clinical contact. Infection control procedures dictate that sufferers must be removed from patient care. This has cost implications and may also result in psychological morbidity. In some cases permanent redeployment is necessary and in extreme cases retirement on grounds of ill health. Most health care workers with clinical contact are young women. This group is one of...
NOTICES

International course in Modern Epidemiology, at Luteren, The Netherlands, 15–18 May 1995

This is an advanced course about principles of epidemiological research. Lecturer: KJ Rothman. Among others, the topics will be: case-control research principles, interaction in a etiology, statistics v epidemiological analyses. Enrolment is open to researchers with a basic knowledge of epidemiology and biostatistics and at least some working experience. Closing date for enrolment is January 13, 1995.

For additional information please contact: Mrs Astrid van Alst, Course secretary, Department of Epidemiology, University of Nijmegen, PO Box 9101, 6500 HB Nijmegen, The Netherlands. Tel: +31-80-619132; Fax: +31-80-613505.

NIVA NORDISK Courses and Symposia 1995

Advanced course for leaders of interdiscipliary research projects. 6–10 February 1995 Ythvorde Course Centre, Charlottenlund, Denmark.


Physiological responses to physical and mental work—II. 27–31 March 1995 Soria Moria Course Center, Oslo, Norway.


Participative approaches to workplace design—II. 24–28 April 1995 Finland.

Industrial issues in occupational health research. 7–10 May 1995 Valamo Monastery, Hein, vesi, Finland.

Occupational respiratory hypersensitivity—V. 4–8 June 1995 The Imatra State Hotel, Imatra, Finland.

International quality standards in occupational measurements—II. 5–8 June 1995 Rungsted gaard, Rungsted kyst, Denmark.


Epidemiologic study design—IX. 14–25 August 1995 Hansanasari Cultural Centre, Espoo (Helsinki), Finland.

Occupational safety and health among seamen, fishermen, and employees in the fish industry, 5–8 September 1995 Nordens Hus, Faroe Islands.

Methods and strategies for estimation and measurement of air pollutants in work places. 16–20 October 1995 Sweden.


Productivity impact of occupational health and safety. 6, 13, 20, and 27 November 1995 NIOH at Helsinki, Solna, Oslo, and Copenhagen.

Enquiries to: NIVA, Topeliusenk. 41 a A, FIN-00250 Helsinki, Finland. Tel: +358-0-47471; Fax: +358-0-4747 497.


The conference will be organised by the Departments of Epidemiology and Public Health and Air Quality of the Agricultural University Wageningen, The Netherlands, and Department of Public Health of Erasmus University Rotterdam, The Netherlands, on behalf of the Scientific Committee on Occupational Epidemiology, of the International Committee on Occupational Health (ICOH).

This Symposium will offer an excellent international platform to exchange knowledge on occupational epidemiology. It brings active research workers in occupational epidemiology together who review the state of the art concerning major and current issues in the field of occupational health; methodology, findings, and applications of their work will be discussed.

The ICOH launched in 1980 a successful tradition of providing a world wide forum to foster exchange among researchers.

The programme will include plenary and parallel sessions with invited and submitted papers related to the following themes:

- Methods in occupational epidemiology
- Occupational surveillance methods, evaluation, and ethical aspects
- Occupational diseases
- Occupational injuries
- Occupational cancer
- Neurological effects
- Respiratory diseases
- Musculoskeletal disorders
- Reproductive and developmental effects
- Work related stress
- Exposure assessment in occupational epidemiology
- Biomarkers
- Communicable diseases at work
- Occupational epidemiology.

For any inquiries or assistance, please contact the conference secretariat: Ms Susan Peelen Msc, Department of Epidemiology and Public Health, PO Box 238, 6700 AE Wageningen, The Netherlands. Tel: +31 8370 84124; Fax: +31 8370 82782; e-mail susan.peelen@medew.hegl.wau.nl

Industrial Relations Services Training Diary of forthcoming events, September 1994–February 1995

Workplace Stress, 22 November 1994, Manchester.

Health Surveillance and Screening at Work, 23 November 1994, London.

Fitness for Work — the Medical and Legal Aspects, 1 December 1994, London.


NEBOSH Specialist Diploma in Environmental Management (first week), 27 February–3 March 1995, Midlands.

For more information contact Marcia Stein, Industrial Relations Services Training, 18-20 Highbury Place, London N5 1QP. Telephone: 071 354 5858.

Faculty of Occupational Medicine; Fitness for Work. Launch of the second edition. At the Royal College of Physicians, Regent’s Park, London NW1, on Thursday, 9 February 1995.

The launch of the second edition of this invaluable reference book, which has been completely rewritten, will take place at an all day conference on the subject.

The conference will be opened by Sir Bob Reid, Chairman of British Rail and London Electricity, and some of the contributors and other distinguished medical specialists on topics concerned with the relations between work and health will take part. As demand for places is expected to be heavy and numbers will be limited, you are advised to reserve your place early.

The conference will cover microinvasive surgery, drug abuse in the workplace, women at work, legal issues concerned in fitness for work, heart disease and driving, working on dialysis, new concepts in repair of the CNs, and a medical view from the cockpit by a doctor who combines two professions, flying and medicine.

Contributors will include Mr James Wellwood, Professor Nicola Cherry, Mrs Gillian Howard, Dr Michael Petch, Dr Derek Manning, Dr Gerald Smith, Dr Laila Kapadia, Dr Tim Carter, Dr Peter Baxter, Dr Charles Veys, and Professor Malcolm Harrington.

The price of £70 includes attendance at the conference, lunch, coffee, tea and a complimentary copy of the second edition of Fitness for Work (normal retail price £18.50).

For further details please contact the Faculty of Occupational Medicine. Telephone: 071 487 3414 or fax: 071 935 2259.