Poorer semen quality impacts time to pregnancy and probability of conceiving in any cycle

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European pregnant partner study

- Pregnant women in the four centres invited to participate when they showed up for their first antenatal visit or "parent craft" class
- Eligibility criteria; male partner 20-45 years of age, born in the country in which he was currently living, residing in the local referral area of the hospital, current pregnancy had to be achieved without fertility treatment. Diseases in reproductive organs and previous fertility treatment were not exclusion criteria

European pregnant partner study

- Participation rate between 15-43%
- Sperm concentration and questionnaire information were finally known for 1,081 couples
- 275 from Turku
- 348 from Copenhagen
- 250 from Edinburgh
- 208 from Paris

European pregnant partner study

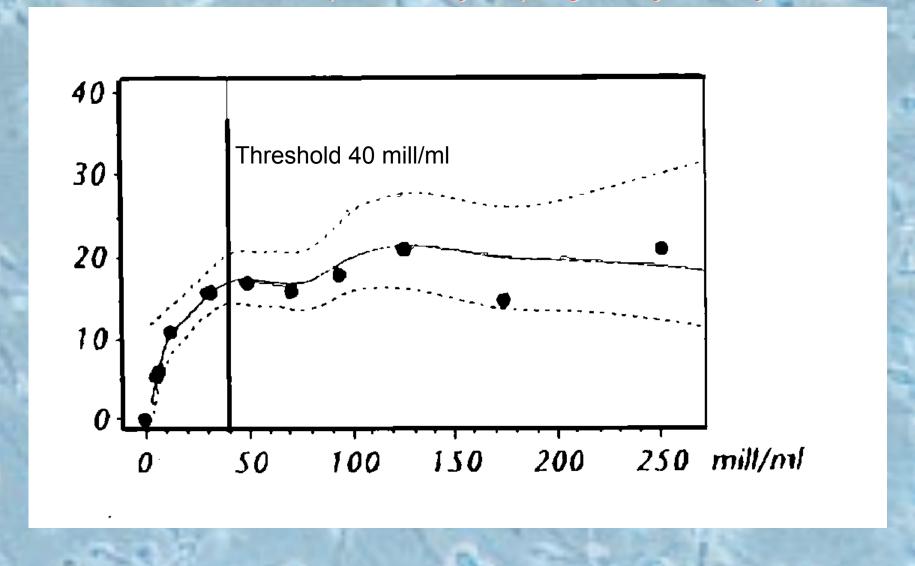


Jorgensen et al. Human Reprod 2001;16:1012-19

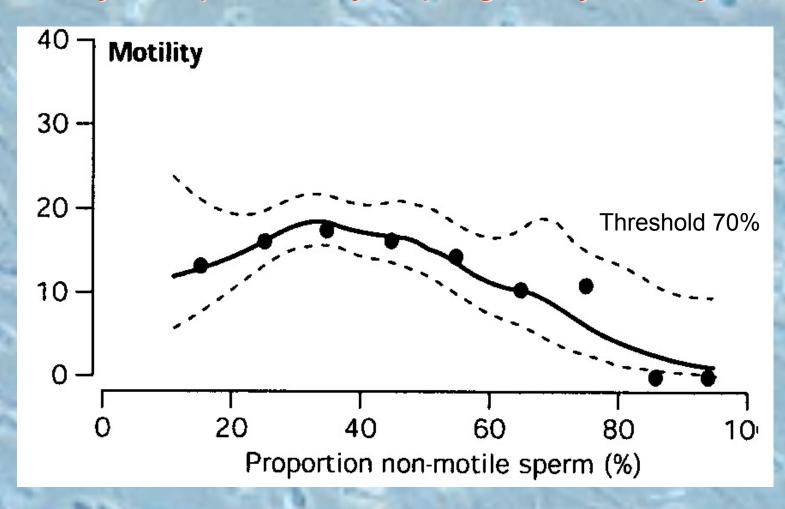
- A total of 430 couples were recruited after a nationwide mailing of personal letters to 52 255 trade union members who were 20-35 years old, lived with a partner, and had no children.
- The exact number of eligible couples was unknown. Under the assumption that 75% of pregnancies in Denmark are planned, an average participation rate of 16% was estimated

- The couples were enrolled into the study when they discontinued birth control and were followed for six menstrual cycles or until a clinically recognised pregnancy
- The couples were enrolled at two centres in Denmark
- At enrolment both partners filled in a questionnaire on demographic, medical, reproductive, occupational, and lifestyle factors and the men provided a semen sample
- During follow up the women recorded vaginal bleeding and sexual intercourse daily, and one additional semen sample was collected during the menstrual period of each cycle

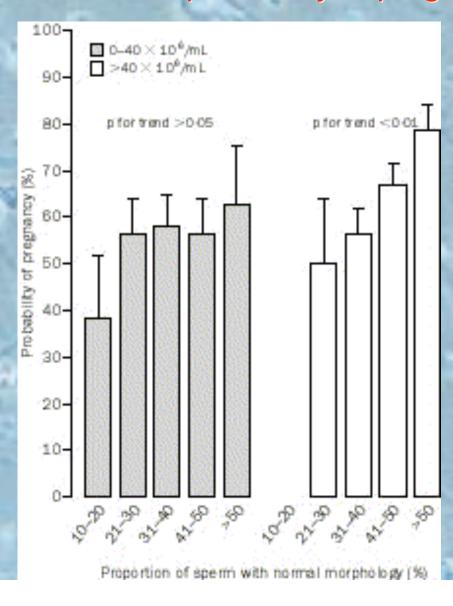
concentration and probability of pregnancy in a cycle



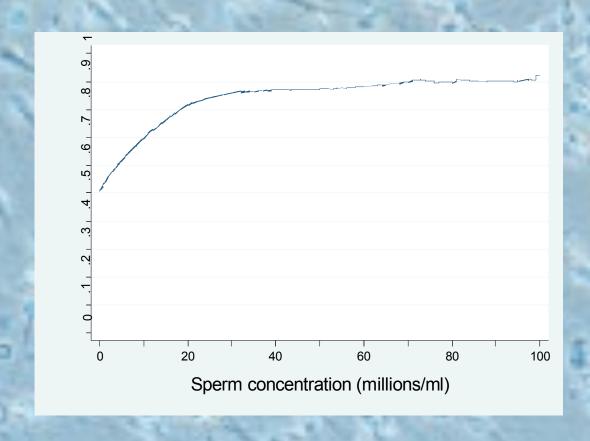
motility and probability of pregnancy in a cycle



motility, concentration and probability of pregnancy in a cycle

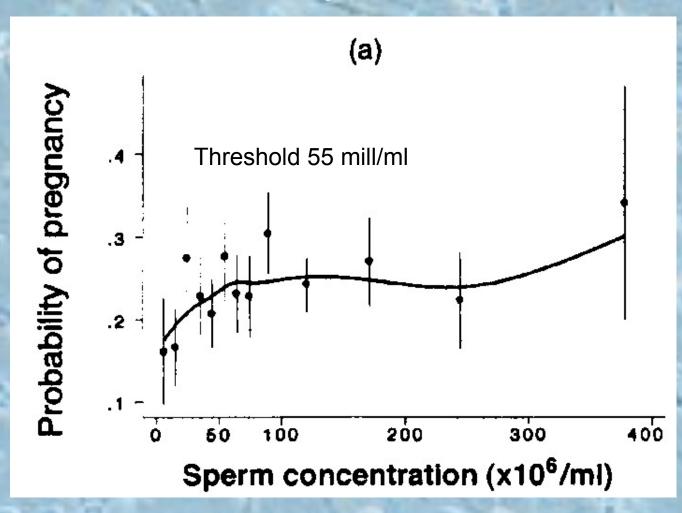


5 years follow-up



European pregnant partner

study; concentration and probability of pregnancy in a cycle



European pregnant partner

study; morphology and probability of pregnancy in a cycle

