

Unedited translation Research project No. 1, 1979.

subject: Effect of cigarette smoke on the blood vessels of the umbilical cord in the newborn of smoking mothers during pregnancy.

Brief Title: Smoking and blood vessels of the umbilical cord.

Conductance of the project:

- 1). Dr. C. Hugo, Rigshospitalet, Dept. Clin. Chemistry, Copenhagen.  
Ultrastructure study of the vessels of the umbilical cord
- 2). Prof. Dr. J. Staubsand, Anatomical Institute, Freiburg University.

Ultrastructure study of the vessels of the umbilical cord.

- 3). Dr. Mau, Childrens Clinic of the University of Kiel.

Selection and preparation of umbilical cords.

Description of the project.

Using a questionnaire prepared by VdC, the pregnant women will be divided into smokers and non-smokers. The women of both groups will also be evaluated in respect to age, first or number of deliveries, social status, etc. After a suitable preparation, the umbilical cords will be coded and sent to the respective investigators without revealing the origin of the cord, i.e. the investigators will not be informed whether the cord was taken from smoking or non-smoking mother (blind test). The details on the number, type of preparation and examination of the umbilical cords still have to be worked out with the participating investigators.

Scientific Background.

Dr. Inger Asmussen of Copenhagen, reported in several publications (most recently at the 4th World Conference "Smoking and Health" in Stockholm) about morphological