

Contents

1	Introduction	5
2	Alcohol Consumption after Childbirth and while Nursing	7
3	Pharmacokinetics of Alcohol	9
3.1	Pharmacokinetics of alcohol in women	11
3.2	Pharmacokinetics of alcohol in breastfeeding women	12
3.3	Pharmacokinetics of alcohol in infants	17
3.3.1	Literature data	17
3.3.2	Physiologically based toxicokinetic modelling of alcohol concentrations (in line with Gundert-Remy et al. 2012)	17
4	Health Effects of Alcohol Consumption in the Nursing Period	21
4.1	Effects of alcohol on the composition, quantity and odour of breast milk	21
4.2	Effect of alcohol on lactation hormones and milk let-down reflex	21
4.3	Effects on breastfeeding behaviour (initiation and duration of nursing)	22
4.4	Effects of alcohol in (nursing) women	23
4.5	Effects of alcohol on breastfed infants	23
4.5.1	Effects of alcohol on infants' sleep	23
4.5.2	Effects of alcohol on psychomotor development of infants	24
5	International Recommendations on Alcohol Consumption while Nursing	25
6	Summary and Recommendations of the National Breastfeeding Committee at the BfR	27
7	References	29
8	List of Figures	37
9	List of Tables	39