

## BILAG 2

### Evidenstabel på anbefalinger af sukkervand/brystmælk

Forfatter	År	Studietype	Studiets kvalitet	Befolknings-type	Intervention	Resultater (outcome)	Kommentarer
Stevens B, Yamada J, Ohlsson A.	2010	Cochrane Database Syst. Review	++	44 studies were included enrolling 3.496 infants	To determine the efficacy, effect of dose and safety of oral sucrose for relieving procedural pain in neonates	Sucrose is safe and effective for reducing procedural pain from single events. An optimal dose could not be identified because of inconsistency in effective sucrose dosage among studies.	I alt 26 studier finder signifikant smertelindrende effekt ved anvendelse af 24% eller 25% sukkervand. Reviewet konkluderer anvendelse af sukkervand i koncentrationen 24-50 %. Ud fra ovenstående vælger vi at anbefale 25% sukkervand som smerteprofylakse i denne kliniske retningslinje
Shah P, Aliwalas L, Shah V.	2009	Cochrane Database Syst. Review	++	11 studies were included. 5 studies evaluated breastfeeding. 6 studies evaluated supplemental breastmilk	To evaluate the effect of breastfeeding or supplemental breastmilk on procedural pain in neonates	Breastfeeding or breastmilk should be used to alleviate procedural pain in neonates undergoing single painful procedures compared to placebo, positioning or no intervention	Kun få studier sammenligner effekten af amning, udmættet modermælk og sukkervand
Mei-Fang L, Kuan-Chia L, Yi-Hung Tzu-Ying L.	2010	RCT study	++	105 neonates underwent venipuncture ( screeningtest) assigned into 3 groups.	To compare the efficacies of non-nutritive sucking and glucose as pain-relief interventions for neonates undergoing a venipuncture	The non-nutritive sucking and glucose solution groups had significantly lower pain scores than the control	Studiet viser at anvendelse af narresut eller sukkervand (2ml 25 %) i forbindelse med stikprocedurer giver en effektiv smertelindring dog ikke smertefrihed. Andre studier viser, at

					procedure	group during venipuncture and recovery phases.	der ved samtidig anvendelse af sukkervand og narresut opnås en synergieffekt
Bauer MA, Prade LS, Keske-Soares M, Haëffner LSB, Weinmann ARM.	2008	Observational and prospective study	+	43 preterm newborns (gestational age of 32.4+-4.3 weeks) admitted to Neonatal Intensiv Care Unit.	To determine the oral motor capacity and the feeding performance of preterm newborn infants when they were permitted to start oral feeding	33 % of the newborns presented weak sucking, 23 % slow rhythm, 30 % absence of at least one adaptive oral reflex and 14 % with no coordination between sucking, swallowing and respiration.	På baggrund af dette studie kan der i retningslinjen ikke anbefales anvendelse af modermælk i forbindelse med stikprocedurer, før det nyfødte barn har en gestationsalder på mere end 32-34 uger og kan sutte koncentreret