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Effects of Skin-to-Skin Contact Between High-Risk Mothers and Their Newborns on Levels of Postpartum Depression

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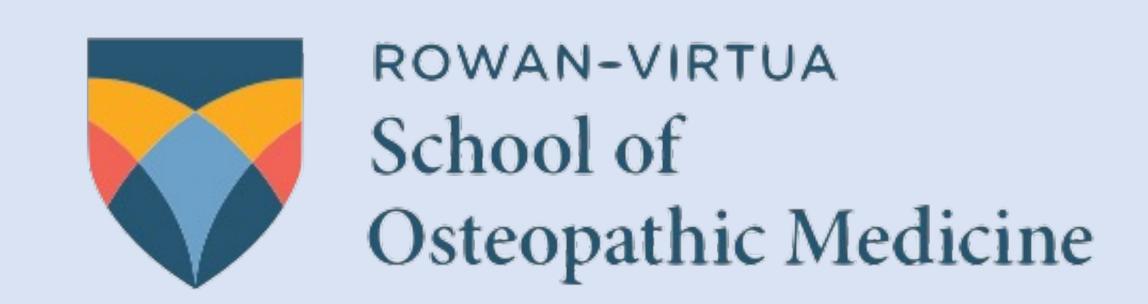


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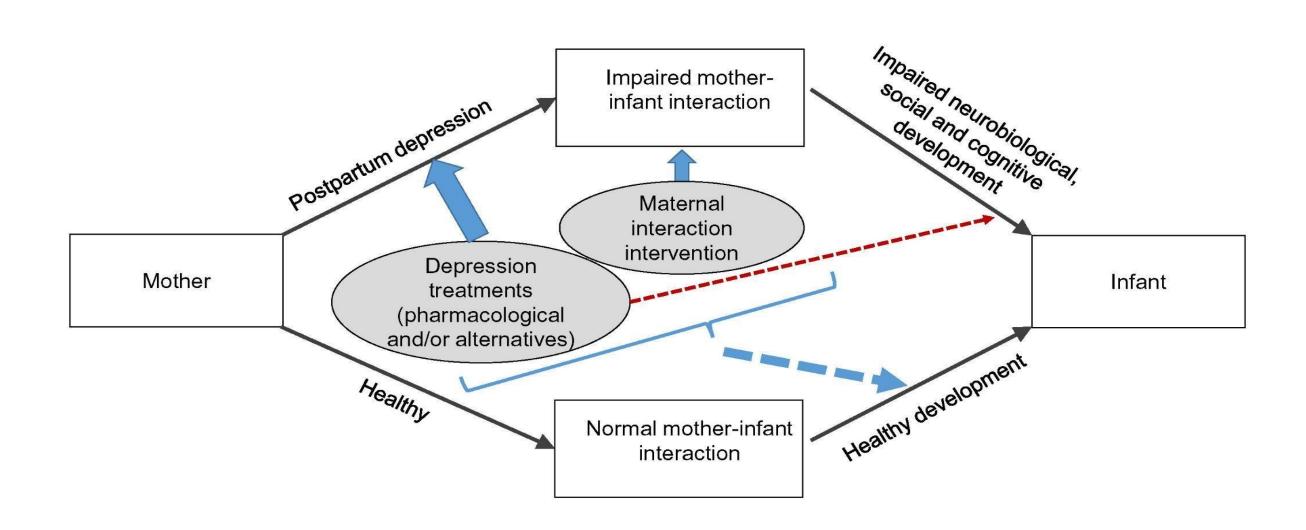
Effects of Skin-to-Skin Contact between High-Risk Mothers and their Newborns on Levels of Postpartum Depression

Divya Penumaka, OMS-III

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BACKGROUND

- ❖ 13-15% of mothers experience postpartum depression (PPD), defined as a depressive episode during pregnancy or in the weeks after delivery.
- ❖ Mothers with PPD are more withdrawn towards their infants, are increasingly irritable, and more likely to engage in risky behaviors than mothers without PPD.
- Children born to mothers with PPD have decreased physiological stability and impaired emotional, social, and cognitive development.



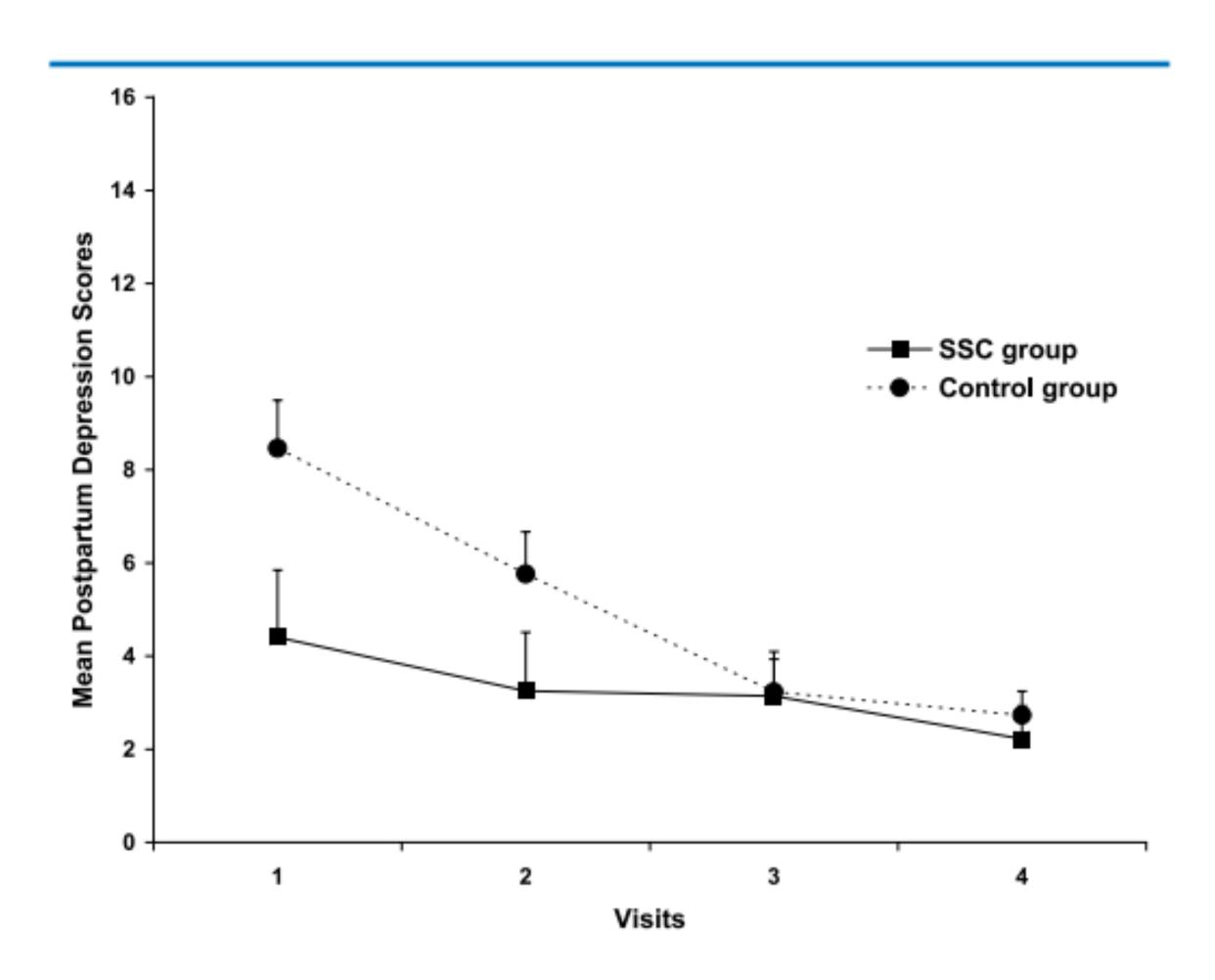
PURPOSE

Review current literature on the use of skin-to-skin contact in mothers at high-risk for developing postpartum depression and their self-reported scores of depression screening scales after intervention.

METHODS

- Comprehensive literature review using articles from databases such as PubMed, Web of Science and SCOPUS.
- Articles were selected based on specific inclusion criteria that prioritized skin-to-skin contact, kangaroo care, and postpartum depression.

RESULTS



- ❖ 19 studies so far has shown that skin-to-skin improved self-reported scores of postpartum depression.
- ❖ Skin-to-skin contact was noted to increase oxytocin which facilitates bonding and trust between mothers and their newborns, and decreases cortisol which is a physiologic marker of stress.
- Skin-to-skin contact also promotes maternal feelings of attachment, promoting increased relaxation and reduced levels of postpartum depression and anxiety in mothers.

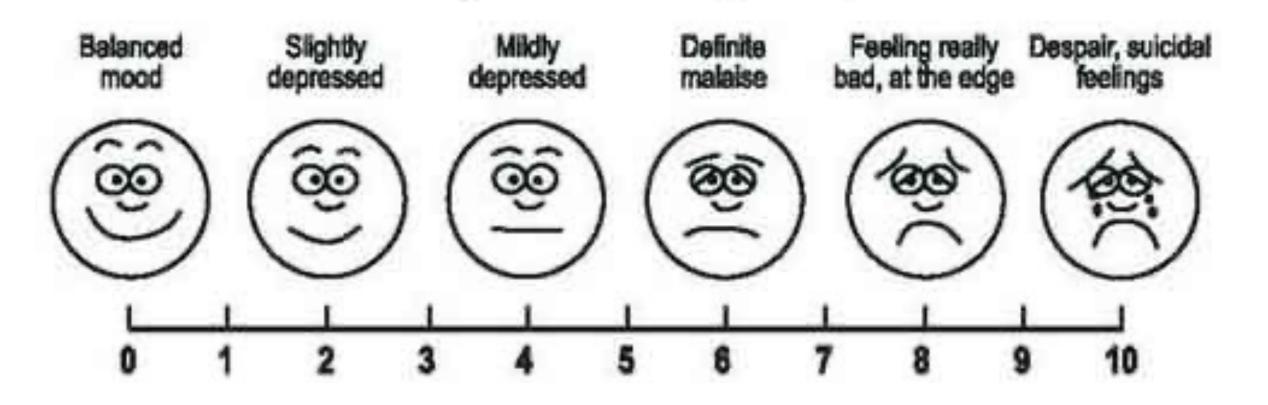
her: Quantitative Variables												
Variable	Group	Mean	SD	d.f	Test	<i>p</i> - Value	Mean	S.D.	d.f	Test	p-Value	OR (95% CI)
Mother Cortisol(μg/dL)	КМС	8.27	5.04		1472.50	0.81 _A	5.87	3.35	-	1038.00	0.002 _A	
	Control	8.58	4.75				7.65	3.81				
EPDS	КМС	17.28	2.74		1534.00	0.81 _A	15.39	2.40		1177.50	0.002 _A	
	Control	17.62	2.55				16.67	2.82				

Note. KMC group (n = 56); Control group (n = 56); A Mann–Whitney U; B Student's t-test; Chi-squared; Likelihood ratio; Yates correction; d.f.: degrees of freedom; t = 0.05.

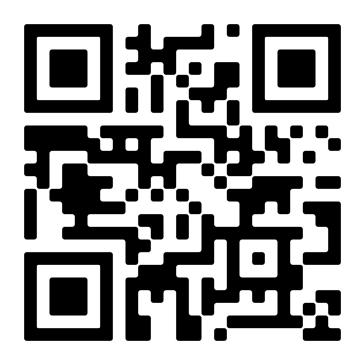
CONCLUSION

- Use of skin-to-skin-contact is beneficial to mothers at risk for postpartum depression, particularly those from low socioeconomic status.
- Skin-to-skin contact can be easily implemented because it requires very few outside resources. After the initial hospital stay, it can be implemented at routine well-visits.
- Limitations include that many studies evaluating skin-toskin were done while the mother was breastfeeding, excluding mothers who were unable to or chose not to breastfeed their infant.
- More studies are needed that evaluate the use of skin-toskin contact on rates of postpartum depression.

Depression Rating Scale



REFERENCES



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