Results: From 2,644 citations identified through electronic search, ten studies met the inclusion criteria. According to the studies mode of delivery influences oral microbial density, oral microbial profile and the timing of oral colonization by cariogenic microbiota. However, there are no consistent results concerning either the prevalence of children harboring cariogenic microbiota or the prevalence of early childhood caries by mode of delivery.

Conclusion: Mode of delivery influences early oral colonization. However, it seems that other determinants rather than mode of delivery could be major contributors to the development of early childhood caries.

OC29 – Caregiver burden in childhood asthma

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Theme: Parenting/parenthood.

Keywords: Burden, caregiver, childhood asthma, parent.

Introduction: As delivering care is an inherent part of becoming parents, providing high-level care to the child with health problems might be a burden for the caregiver.

Aim: This systematic review investigated the effects of caregiver burden of parents who are primarily responsible for the caring of children with asthma.

Methods: PubMed, CINAHL, Web of Science and Scopus databases were searched for the studies published between 2000-2015. Key search terms used were 'caregiver', 'burden', 'childhood asthma' and 'parent'.

Results: A total of 23 studies were examined for this review.

Discussion: Providing care to the child with asthma affects parents as caregivers negatively. Caregivers of the children with asthma often experience anxiety, fear, disappointment, grief, physical distress and low quality of life as the outcomes of caregiving burden.

Conclusions: It is absolutely crucial to determine caregiver burden risks and protective factors since wellness level of caregivers affect the asthma management practices and decisions.

OC30 – Fracture reduction with nitrous oxide at the children's emergency department shortens the length of stay and reduces the use of full anaesthesia in the operating department

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Theme: Accreditation and quality improvement.