

## Brazilian Oral Research

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### Abstract












[ALVES, Renata Tolfo](#) and [RIBEIRO, Rosangela Almeida](#). Relationship between maternal periodontal disease and birth of preterm low weight babies. *Braz. oral res.* [online]. 2006, vol.20, n.4, pp. 318-323. ISSN 1806-8324. doi: 10.1590/S1806-83242006000400007.

It has been recently suggested that periodontal disease is an associated factor for prematurity and low birth weight. The aim of this work was to assess the periodontal status of puerperae and determine its possible relationship with preterm low birth weight (PLBW) delivery. The sample included 59 women seen at two maternity hospitals in Juiz de Fora, MG, Brazil. Nineteen mothers had premature and low birth weight babies (gestational age below 37 weeks and birth weight below 2,500 g - group I), and 40 had mature, normal weight babies (gestational age over 37 weeks and birth weight over 2,500 g - group II). The mothers' data were obtained from medical files, interview, and periodontal clinical examination carried out up to 48 hours after delivery. The Periodontal Screening and Recording (PSR) was used for periodontal assessment. The association between periodontal disease and PLBW was expressed as odds ratio (OR). There was a higher rate of periodontal disease in group I (84.21% - 16/19) as compared with group II (37.5% - 15/40). The data also showed a significant association between periodontal disease and PLBW (OR = 8.9 - 95% CI: 2.22-35.65 - p = 0.001). It was concluded that maternal periodontal disease was an associated factor for prematurity and low birth weight in this sample.

Keywords : Periodontitis; Premature birth; Infant; small for gestational age.

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