

## Pengaruh asupan kalsium terhadap kepadatan tulang mandibula perempuan pascamenopause

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### Abstrak

Indonesian Journal of Dentistry 2006; Edisi Khusus KPPIKG XIV: 329-332.

Some researchers stated that osteoporosis in other bones will also be accompanied by a decrease in mandibular bone density. So that several risk factors for osteoporosis in other bones will also become risk factors for mandibular bone osteoporosis. Calcium intake, body mass index, and estrogen level were risk factors analyzed in this study. Mandibular bone density is important to maintain because of its relation with loss of teeth and success rate of prosthodontic treatment. The study design was unmatched case control. The subjects were taken from 226 postmenopausal women between 50-75 years of age, who fulfill the inclusion. One hundred and nine subjects with normal mandibular bone density categorized as cases and 117 subjects with mandibular bone osteoporosis categorized as controls. Mandibular bone density was analyzed using intra oral periapical radiograph. The result of this study showed that calcium intake was the main protecting factors for mandibular bone osteoporosis (OR=3,789), followed by body mass index (OR=2,184), and estrogen level (OR=1,017).