

Kesulitan bernapas karena edema laring akibat terpapar larutan natrium hipoklorit dalam perawatan endodonsia (laporan kasus)

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Abstrak

Indonesian Journal of Dentistry 2006; Edisi Khusus KPPIKG XIV: 51-56

An important phase in endodontic treatment is the irrigation of the root canal system. Desirable function of irrigation are antimicrobial activity, dissolution of necrotic tissue and nontoxicity to the periradicular tissue. Toxicity of NaOCl solution on vital tissue is still controversial. Severe complications may occur if this solution is inadvertently exposed to the oral mucosa, and it is very hazardous. The purpose of this paper is to caution dentists on the hazards of using NaOCl irrigation in endodontic treatment. A case is presented in which 2.5% NaOCL solution was accidentally streaming into patient's throat because the irrigating needle was not securely attached to the syringe, with the result that the patient had difficulty in breathing. The patient was promptly taken to a pulmonologist, internist, and ENT. The patient was given dexamethasone 10 mg iv injection, delladryl 1cc iv, and nebulizer with 1 ampoule of steroid, 1 ampoule of ventolin and 5cc NaCl 3x within 24 hours, and after 24 hours the condition was increased. From this case it is concluded that the 2.5% NaOCl solution is very alkaline and irritating resulting in edema of the larynx and plugging up of the respiratory system. Clinicians need to be cautious in using NaOCl solution to avoid_endangering the patient's life.