



Selection of animal models in pediatric restorative dentistry: A review

Anirban Chatterjee

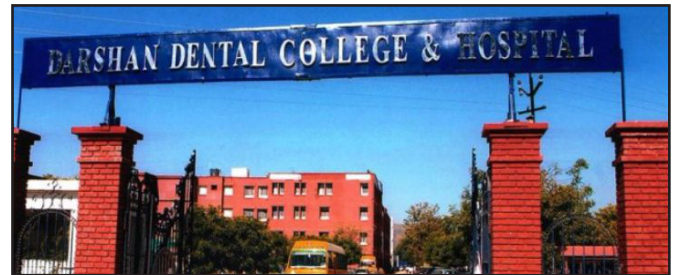
Darshan Dental College & Hospital, India

Abstract:

Animal experimental models are widely used in dental sciences in general and more particularly in pediatric dentistry. The reasons for using animal models in dentistry are numerous and includes satisfying study hypothesis, understanding of progression of pathogenesis of certain dental pulp reactions. For example in 1922, Rebel studied the effect of pulp capping procedures on dogs and cats. Since then various animals including rats, rodents, monkeys, dogs, cats and ferrets have been used to examine various aspects of pulp healing. Animal models are also used for other scientific aspects such as testing new medicines prior to their applications in clinical practice. This presentation will overview use of various animal models for pediatric restorative dentistry purposes and number of factors that must be considered when choosing the animal for such investigations.

Biography:

Anirban Chatterjee specializes in Pediatric and Preventive dentistry with five solid years of experience. Over the years he has dedicated himself to exemplary patient outcomes following all necessary medical, dental and surgical procedures with the use of the latest industry equipment



and technology. He prefers to be a skilled team player and leader who understands the importance of collaborative and comprehensive care for the best treatment outcomes of patients particularly children. Dr. Anirban Chatterjee is currently an associate professor in the department of Pediatric & Preventive Dentistry in Darshan Dental College ; Udaipur – Rajasthan (India).

Publication of speakers:

1. Anirban Chatterjee et al. Probiotics in the treatment of periodontal disease: A systematic review. J Indian Soc Periodontol. Sep-Oct 2016;20(5):488-495.
2. Anirban Chatterjee et al. Recurrent black stains and periodontal disease. Indian J Dent Res. Sep-Oct 2019;30(5):763-766.

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