

[J Cont Med A Dent. 2014 Jan-Apr; 2\(1\): 64-68.](#)

## **Masseter Muscle Rigidity Following Succinylcholine Administration**

[Basheer A Khan](#), [Mazhar U Khan](#), [Md Umar Majid](#), [Md. Mohib Hussain](#)

Dr. Basheer Ahmed Khan, 17-1-388/P/62 & 65, Poornodaya Colony, Saidabad, Hyderabad, India. E-mail:

[basheerahmedkhan786@yahoo.com](mailto:basheerahmedkhan786@yahoo.com)

<http://dx.doi.org/10.18049/jcmad/229a14>

### **Abstract**

Masseter muscle rigidity (MMR) during general anaesthesia is considered to be an early warning sign of possible episode of malignant hyperthermia (MH). We report a case of a male child, who developed MMR following a standard dose of intravenous Succinylcholine during induction of anaesthesia. We suspected MMR to be an early indicator of MH and took all the precautions and secured the airway with endotracheal intubation. Later on anaesthesia was maintained with Propofol infusion, and triggering factors like halogenated inhalational agents were avoided. Patient's vitals like temperature, end tidal CO<sub>2</sub>, heart rate and blood pressure remained within normal limits during intraoperative and postoperative period. Patient was carefully monitored and investigated in postoperative period, and there was a moderate rise in serum creatinine phosphokinase level recorded after 24 hours. Later on the patient recovered well and was discharged uneventfully.