

Twin-channel perisubmental endotracheal intubation (TCPEI)

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Collaborators

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Introduction

To avoid external scars and possible disadvantages of standard submental intubation, we could use a bifurcated ringed endotracheal tube which slides periosteally and caudally across the chosen, predominantly parasubsymphyseal area, to emerge in the outer peribuccal area and couple to the conventional ventilation system. We designed it on 26 May 2004, and named it double retromolar intubation.

Material and Method

To perform the procedure, we use a ringed endotracheal tube specially designed for similar effects based on established designs (e.g. layout, shape, etc.). It is bifurcated, goes through the supraglottic space with no interruption and is of smaller calibre, to make it easier to slide intraorally, perisubmentally, peribuccally, and externally, to carry out ventilation and perform surgery.

Fig. 1: Device

Fig. 2: application diagram, with its original name (*).

(*): Ringed oroendotracheal tube for double retromolar intubation in oral and maxillofacial surgery and related specialisms, with the aim of establishing communication with the patient's trachea and oropharyngeal airway, characterised because three ringed sections are established.

Conclusions

The (TCPEI) is based on experience in applying traditional submental intubation. We feel that it may be indicated in specific cases involving multidisciplinary pathology in the oral and cranial-maxillofacial fields, when the reason is a desire to avoid the external scar (4) caused by ordinary submental intubation.

