PATIENTS WITH SEVERE ACQUIRED BRAIN INJURY AND A CUFFED TRACHEOSTOMY TUBE - A MULTIDISCIPLINARY APPROACH TO DECANNULATION MANAGEMENT

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INTRODUCTION

The main indication for tracheostomy and application of a cuffed tracheotomy tube is respiratory dysfunction or severe dysphagia with high incidence of saliva aspiration (1). The treatment of those patients is important in neurorehabilitation and

Decannulation management is a complex and multidisciplinary process, which considers various aspects from cognitive to critical issues such as protecting the respiratory tract. Every weaning from tracheostomy is customized the individual patient, but follows a standardized decannulation protocol based on the Facial-Oral

Tract Therapy approach (2,3).



STEP 2 – CUFF DEFLATION

A main component of decannulation management is the process of cuff deflation and stimulation of swallowing and coughing with the help of increased respiratory airflow through the larynx and upper airway while the cuff is deflated. The treatment goal is a longer expiratory phase and the patient's ability to coor-

CONCLUSION

The main focus of the multidisciplinary team (doctor, occupational therapist, physiotherapist, nurse, speech- and language therapist) is a fast and safe weaning from the cuffed tracheotomy tube and decannulation.

dinate breathing and spontaneous swallowing of saliva.

An occupational therapist and a nurse performs the first evaluation of the cuff deflation attempt and the patient's prerequisites for safe and effective swallowing of saliva. When the patient is able to swallow saliva without facilitation the multidisciplinary team prepare a treatment plan with deflation in increasing intervals and in other activities during the day. When the patient can tolerate deflation for 24 hours - with a speaking valve - he will get a fenestrated tube and continue the decannulation protocol.

The main treatment goal is to ensure safe and effective swallowing of saliva as the prerequisite for initiation of oral intake and independence of the patient with severe, acquired brain injury.

References

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