



Aalborg Universitet

AALBORG UNIVERSITY  
DENMARK

## What repositional maneuver is most successful when treating Benign Paroxysmal Positional Vertigo with the TRV Repositional Chair?

Abrahamsen, Emil Riis; Skals, Regitze Kuhr; Hougaard, Dan Dupont

*Publication date:*  
2018

*Document Version*  
Publisher's PDF, also known as Version of record

[Link to publication from Aalborg University](#)

*Citation for published version (APA):*  
Abrahamsen, E. R., Skals, R. K., & Hougaard, D. D. (2018). *What repositional maneuver is most successful when treating Benign Paroxysmal Positional Vertigo with the TRV Repositional Chair?*. Abstract from 6th Dubai Otology Conference, Dubai, United Arab Emirates.

### General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- ? Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- ? You may not further distribute the material or use it for any profit-making activity or commercial gain
- ? You may freely distribute the URL identifying the publication in the public portal ?

### Take down policy

If you believe that this document breaches copyright please contact us at [vbn@aub.aau.dk](mailto:vbn@aub.aau.dk) providing details, and we will remove access to the work immediately and investigate your claim.

**Submission group:** Oral presentation

**Submission subgroup:** Vestibular/Balance

**Submission name:** Dan Dupont Hougaard

**Presentation category:** BPPV

**Presentation Title:** What repositional maneuver is most successful when treating Benign Paroxysmal Positional Vertigo with the TRV Repositional Chair?

**Authors:**

Abrahamsen ER<sup>1,2</sup>, Skals RK<sup>3</sup>, Hougaard DD<sup>1,2</sup>

<sup>1</sup>Department of Otolaryngology, Head & Neck Surgery and Audiology, Aalborg University Hospital, Aalborg, Denmark.

<sup>2</sup>Department of Clinical Medicine, Aalborg University, Aalborg, Denmark

<sup>3</sup>Unit of Clinical Biostatistics and Bioinformatics, Aalborg University Hospital, Aalborg, Denmark

**Abstract:**

BPPV is the most common inner ear disease and might affect one or several semicircular canals (SCCs). The choice of repositional maneuver differs between subtypes of BPPV and the also depends on which SCC is affected. Randomized prospective clinical trial. Patients diagnosed with posterior canalolithiasis underwent treatment with either standard Epley's maneuver or Potentiated Epley's maneuve. Patients diagnosed with lateral cupulolithiasis underwent randomization to treatment with either the Barbeque Roll maneuver or treatment where kinetic forces were applied during reposition. Preliminary data will be presented in relation to the most effective treatment of both posterior canalolithiasis and lateral cupulolithiasis.

**Introduction:**

BPPV is the most common inner ear disease and might affect one or several semicircular canals (SCCs) uni- and/or bilaterally. Most common location is, by far, unilateral affection of the posterior SCC. Displaced otoconia are either floating freely within the endolymph (canalolithiasis) or stuck to the sensory organ (cupulolithiasis). Canalolithiasis is generally easier to treat than cupulolithiasis. The choice of repositional maneuver differs between these subtypes of BPPV and the also depends on which SCC is affected. The TRV Repositional Chair offers different repositional maneuvers, and up until now it has not been examined which maneuver is the most effective.

**Materials and Methods:**

Randomized prospective clinical trial. Patients diagnosed with posterior canalolithiasis underwent treatment with either standard Epley's maneuver or Potentiated Epley's maneuver (application of kinetic forces during reposition). Patients diagnosed with lateral cupulolithiasis underwent randomization to treatment with either the Barbeque Roll maneuver or treatment where kinetic forces were applied during reposition.

**Results:**

Preliminary data will be presented in relation to the most effective treatment of both posterior canalolithiasis and lateral cupulolithiasis. The former with standard Epley's maneuver/Potentiated Epley's maneuver and the latter with either the Barbeque Roll maneuver or the treatment where kinetic forces were applied.

**Conclusions:**

Conclusions based upon preliminary data will be made on the basis upon results from approximately one hundred patients.