

## Luaran neurovascular compression syndrome berdasarkan efficacy complication total score di FKUI-RSUPNCM tahun 2011-2015 = Outcome of neurovascular compression syndrome based on efficacy complication total score in FKUI-RSUPNCM 2011-2015

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### Abstrak

**ABSTRAK**  
Operasi dekomprasi vaskular mikro telah diterima sebagai tatalaksana definitif pada berbagai keluhan akibat kompresi mekanik pada kompleks neurovaskular. Tindakan eksplorasi fossa posterior diketahui berhubungan dengan komplikasi gangguan fungsi serebellar dan saraf kranial. Diperlukan adanya evaluasi pasca operasi yang mengintegrasikan aspek pemulihan atas keluhan, dan komplikasi terkait tindakan, dalam menilai luaran pasien secara menyeluruh.

### Tujuan

Menilai luaran pasca operasi dekompresi vaskular mikro pada penderita sindrom kompresi kompleks neurovaskular yang dikelola Departemen Bedah Saraf RSUPN Dr. Cipto Mangunkusumo periode Januari 2011-Oktober 2015 menggunakan efficacy, complication, total score (ECT score) serta faktor-faktor yang mempengaruhi luaran.

### Metode

Penelitian ini merupakan penelitian historikal prospektif terhadap pasien pasca operasi dekompresi vaskular mikro dengan sindrom kompresi kompleks neurovaskular yang dikelola Departemen Bedah Saraf RSUPN Dr. Cipto Mangunkusumo periode Januari 2011-Oktober 2015. Sebagai pembanding digunakan data luaran menurut publikasi ECT score orisinal. Data penelitian ini diperoleh melalui catatan rekam medis.

### Hasil

Sejak Januari 2011 sampai dengan Oktober 2015, didapatkan 21 pasien trigeminal neuralgia primer dan 11 pasien hemifasial spasme primer yang dilakukan tindakan microvascular decompression. Sebanyak 15 pasien trigeminal neuralgia telah melalui periode lebih dari satu tahun pasca operasi dengan hasil luaran excellent (T-0) 13 pasien (87%), good (T-1) 1 pasien (6%), fair (T-2) 0 pasien, poor (T3-5) 1 pasien (6%). Sebanyak 11 pasien hemifasial spasme primer telah melalui periode lebih dari satu tahun pasca operasi dengan hasil luaran excellent (T-0) 5 pasien (62,5%), good (T-1) 2 pasien (25%), fair (T-2) 0, poor (T3-5) 1 pasien (12,5%). Penelitian ini memiliki jumlah sampel yang terbatas dan tidak didapatkan faktor yang mempengaruhi luaran

## Kesimpulan

Skor ECT terbukti bermanfaat dalam menilai luaran pasien paska MVD di RSCM. Jumlah pasien trigeminal neuralgia primer yang sembuh sempurna tanpa komplikasi (T0) di RSCM didapatkan 13 pasien dari 15 pasien. Jumlah luaran pasien hemifasial spasme primer yang sembuh sempurna tanpa komplikasi (T0) di RSCM didapatkan 5 pasien dari 8 pasien. <b>ABSTRACT</b><br>

Outcome of Neurovascular Compression Syndrome Based on Efficacy Complication Total Score in FKUI-RSUPNCM, 2011-2015

## Background

Microvascular decompression has been administered as neurosurgical armamentary as definitive treatment of mechanical compression of neurovascular. Posterior fossa approach also related to post operative cerebellar and cranial nerve dysfunction. An integrated evaluation combining efficacy and complication of surgical exploration is crucial to determine a comprehensive outcome of post surgical patients.

## Purpose

To evaluate outcome of microvascular decompression surgery in patient diagnosed with neurovascular compression syndrome managed by Department of Neurosurgery RSUPN Dr. Cipto Mangunkusumo, January 2011-October 2015 based on efficacy, complication, total score (ECT score) and related factors.

## Method

A historical prospective study on patients diagnosed with neurovascular compression syndrome managed by Department of Neurosurgery RSUPN Dr. Cipto Mangunkusumo, January 2011-October 2015 based on efficacy, complication, total score (ECT score). The result is compared with the original publication of ECT score outcome. Research data was obtained through medical records.

## Results

Twenty one patients diagnosed with trigeminal neuralgia and 11 patients diagnosed with hemifacial spasm were treated by microvascular decompression surgery since January 2011 - October 2015. In trigeminal neuralgia group shown fifteen patients with more than one year post operative period with categorized outcome : 13 patients (87%) excellent (T-0), 1 patient (6%) good (T-1), 0 patient fair (T-2), 1 patient (6%) poor (T3-5). In hemifacial spasm group shown 11 patient with more than one year post operative period with categorized outcome : 5 patient (62,5%) excellent (T-0), 2 patient (25%) good (T-1), 0 patient fair (T-2), 1 patient (12,5%) poor (T3-5). Sample size of research were limited and related to insignificant findings of related factors.

## Conclusion

Efficacy complication total score is efficient in evaluating post microvascular decompression surgery outcome. Trigeminal neuralgia group shown 13 of 15 patients with excellent outcome (T0). Hemifacial spasm group shown 5 of 8 patients with excellent outcome (T0).;Title

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