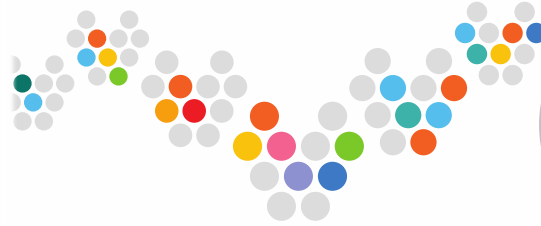


3. detsember 2020

Swissôtel Tallinn konverentsikeskus



Neuroloogia 2020

Katrin Gross-Paju MD, PhD



ALASELJAVALU DIAGNOSTIKA JA RAVI ESMATASANDIL



Seljavalu ravijuhise analüüs (2020)

- reeglina ravi perearsti juures
 - neuroloogi konsultatsioon pole vajalik
 - ega võimalik
 - e-konsultatsiooni kaudu seljavaludega patsiendid neuroloogi vastuvõtule ei pääse
- visualiseerivad uuringud pole vajalikud
- perearstide tagasiside
 - Võib suurenedaspondülogrammide hulk



Ehrlich- Bulletin of the World Health Organization 2003;81:671-676

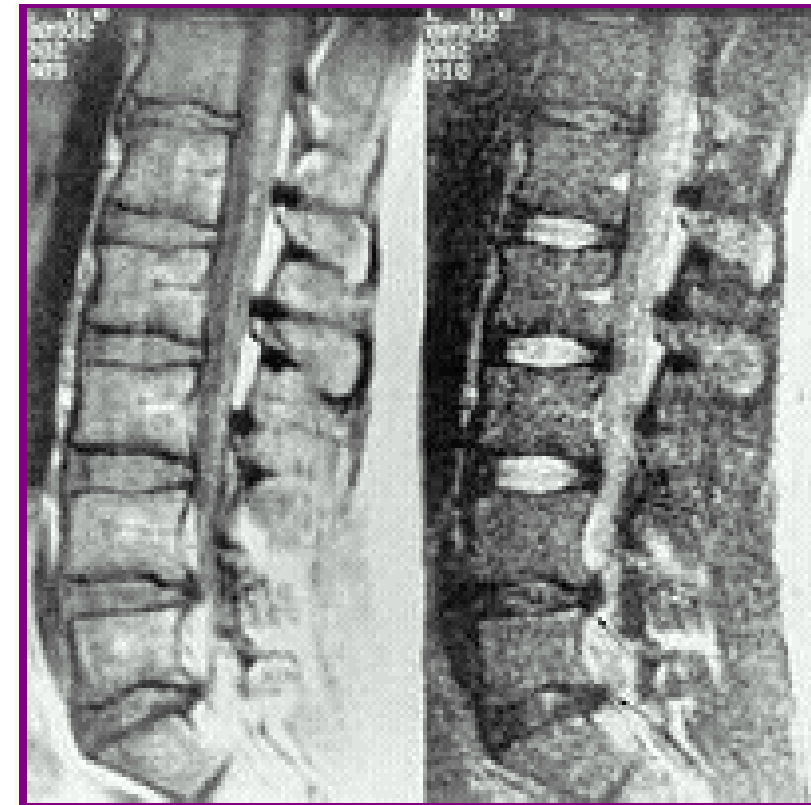
- Fassettide
 - Osteoartriit
 - Subluksatsioon
- Osteoporoos
 - v.a. murrud
- Diskopaatia
- Schmorli herniad
- Sakralisatsioon
- Skolioos



spondülogrammid



MRT



degeneratiivsed muutused

Uue alasejavaalu ravijuhise võimalik mõju kuludele*



Investigations	Existing practice	Clinical guideline	Difference	Cost Savings %
X-ray	314,547.38	295,967.20	18,580.18	-6%
<u>MRI</u>	1,163,042.73	475,177.07	687,865.66	-59%
<u>CT Scan</u>	274,854.48	138,505.87	136,348.61	-50%
<u>Consultation</u>	3,027,867.94	2,702,890.46	324,977.48	-11%
Physiotherapy	792,994.41	767,344.17	25,650.25	-3%
	5,573,306.95	4,379,884.77	1,193,422.18	

* 2019 andmetel

Folusade Akande, TalTech, 2020

Seljavalu ravijuhise analüüs (2020)

- reeglina ravi perearsti juures
 - Neuroloogi konsultatsioon pole vajalik
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 - e-konsultatsiooni kaudu seljavaludega patsiendid neuroloogi vastuvõtule ei pääse
- visualiseerivad uuringud pole vajalikud
 - mitte-vajalikest uuringutest loobumine toob olulise rahalise kokkuhoiu
- **perearstide tagasiside**
 - **võib suurenedada spondülogrammide hulk**



insult

[Trombolüüsi film](#)





UUDISED

INSULDIGA PATSIENTIDE ARV ON LANGENUD.

Neuroloog: võime vaid oletada, mis on selle taga

Toimetas Sirje Maasikamäe, 13. aprill 2020, 12:42

Jaga:



Insult 2020 aastal, Campania, Itaalia

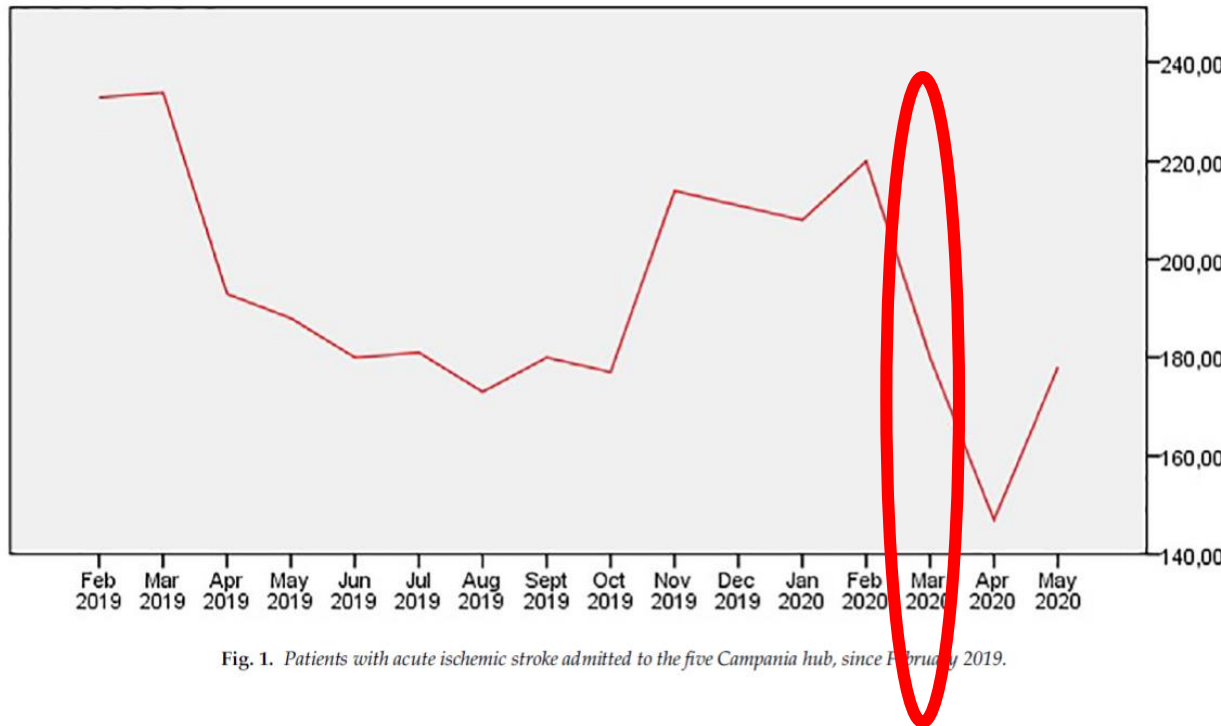


Fig. 1. Patients with acute ischemic stroke admitted to the five Campania hub, since February 2019.

Insuldiga patsientide koguarv

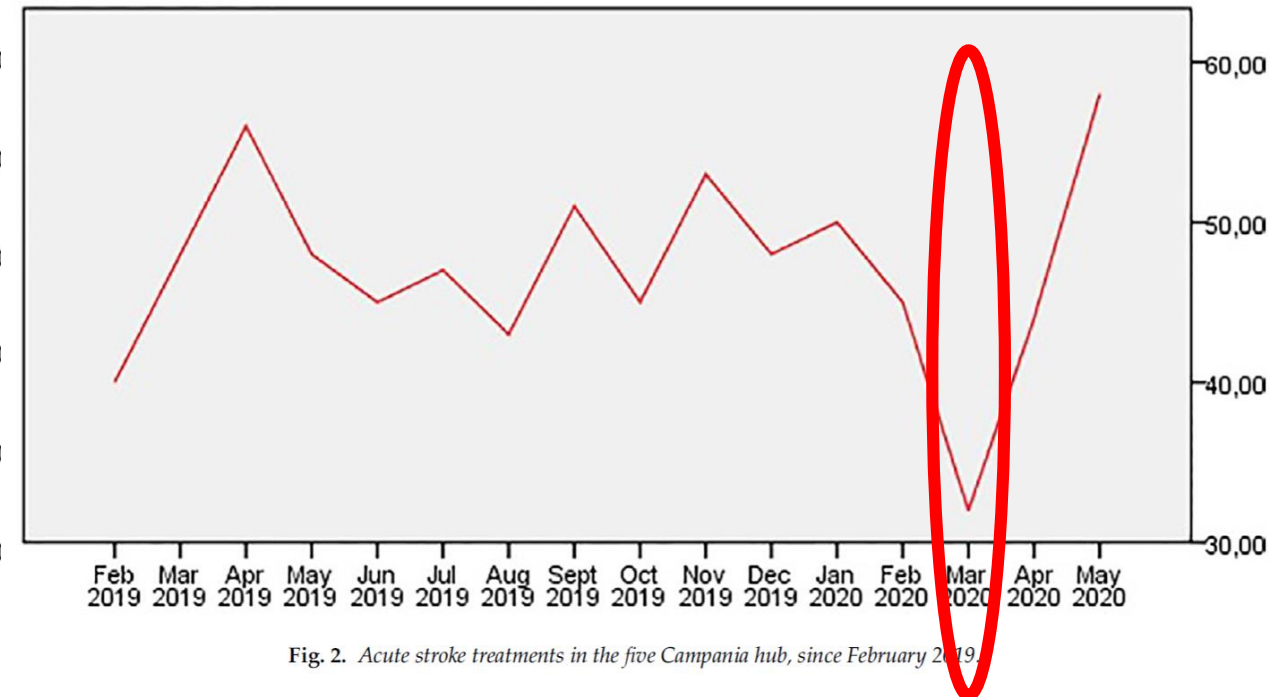
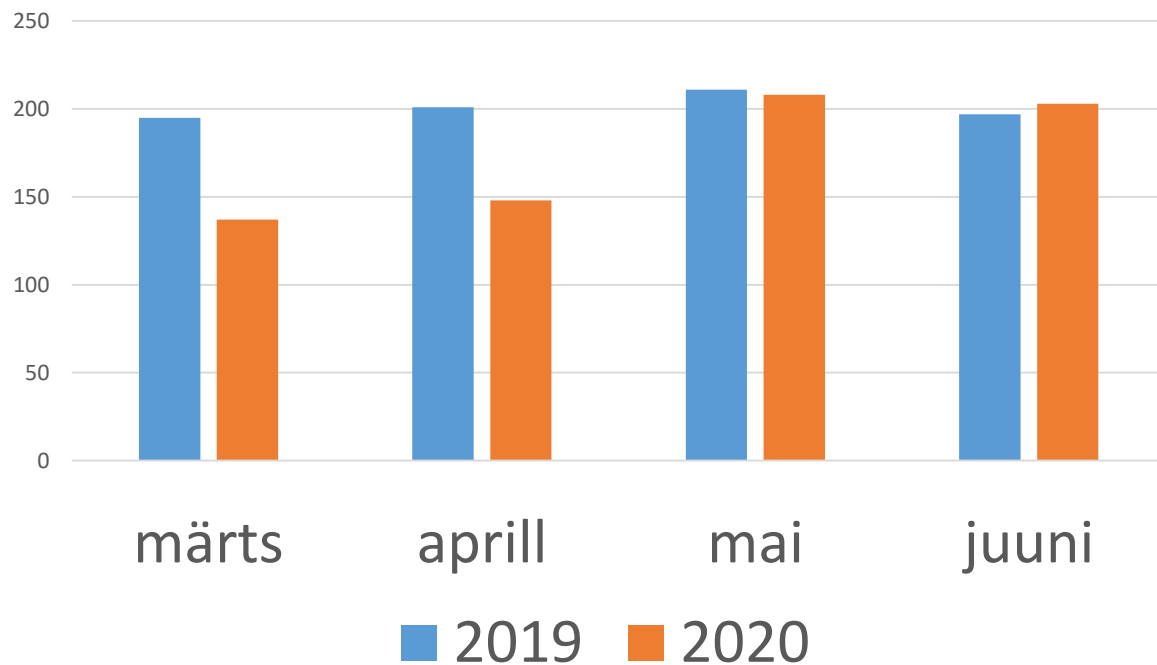


Fig. 2. Acute stroke treatments in the five Campania hub, since February 2019.

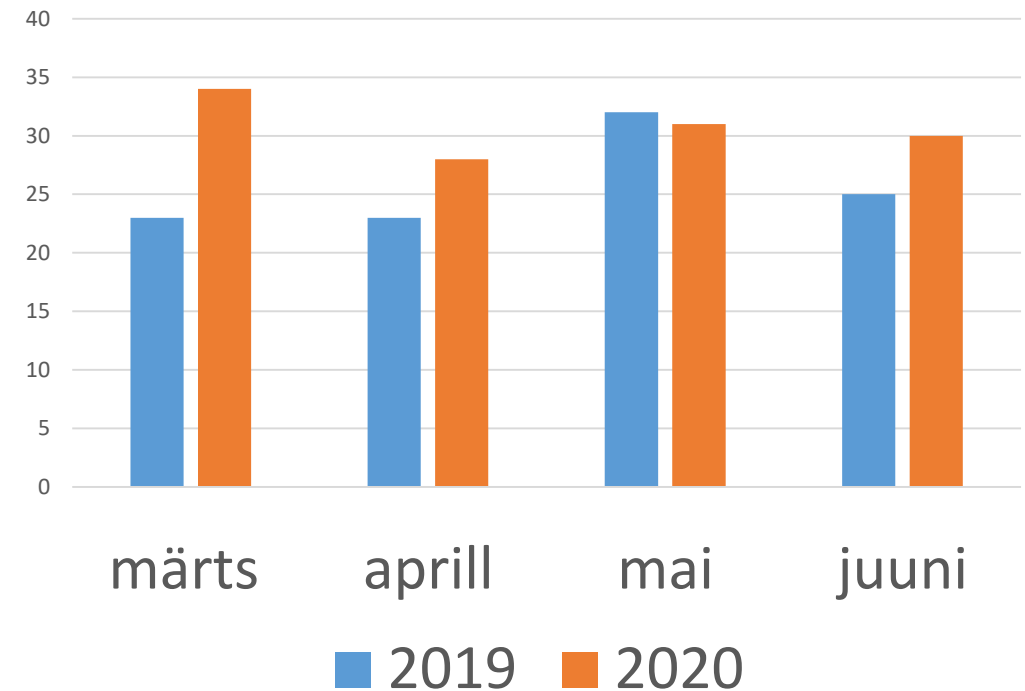
Trombolüüside koguarv

Isheemiliste insultidesse haigestumus 2019-2020

Tartu, Pärnu, Tallinn

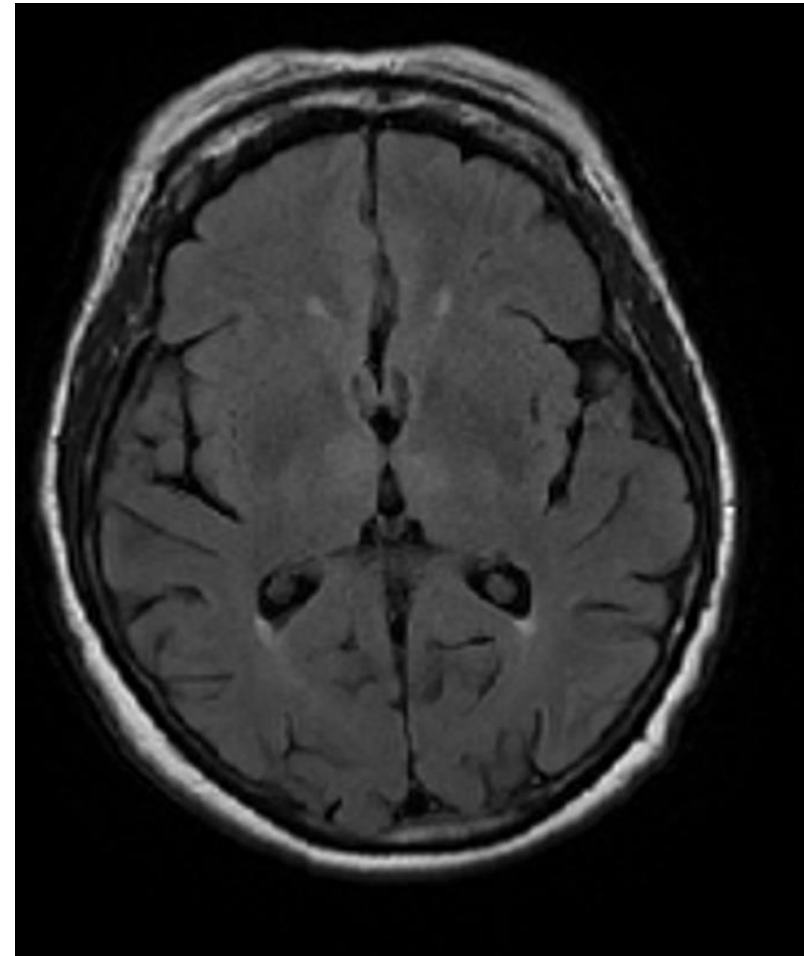
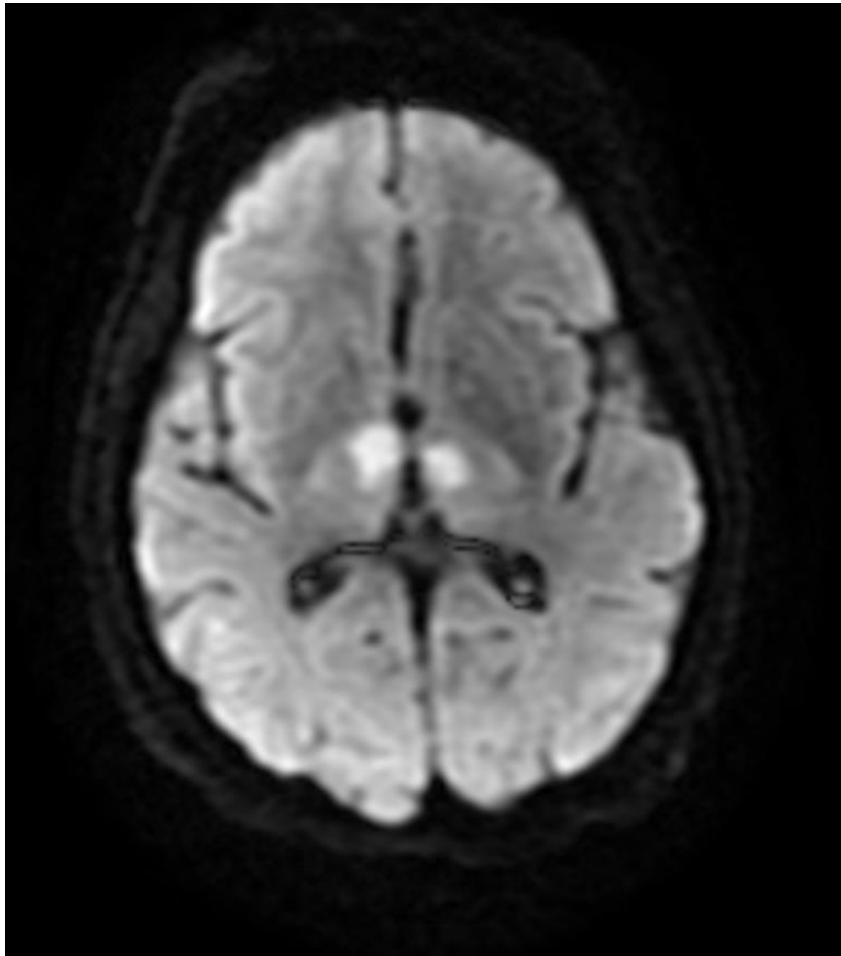


Insuldiga patsientide koguarv



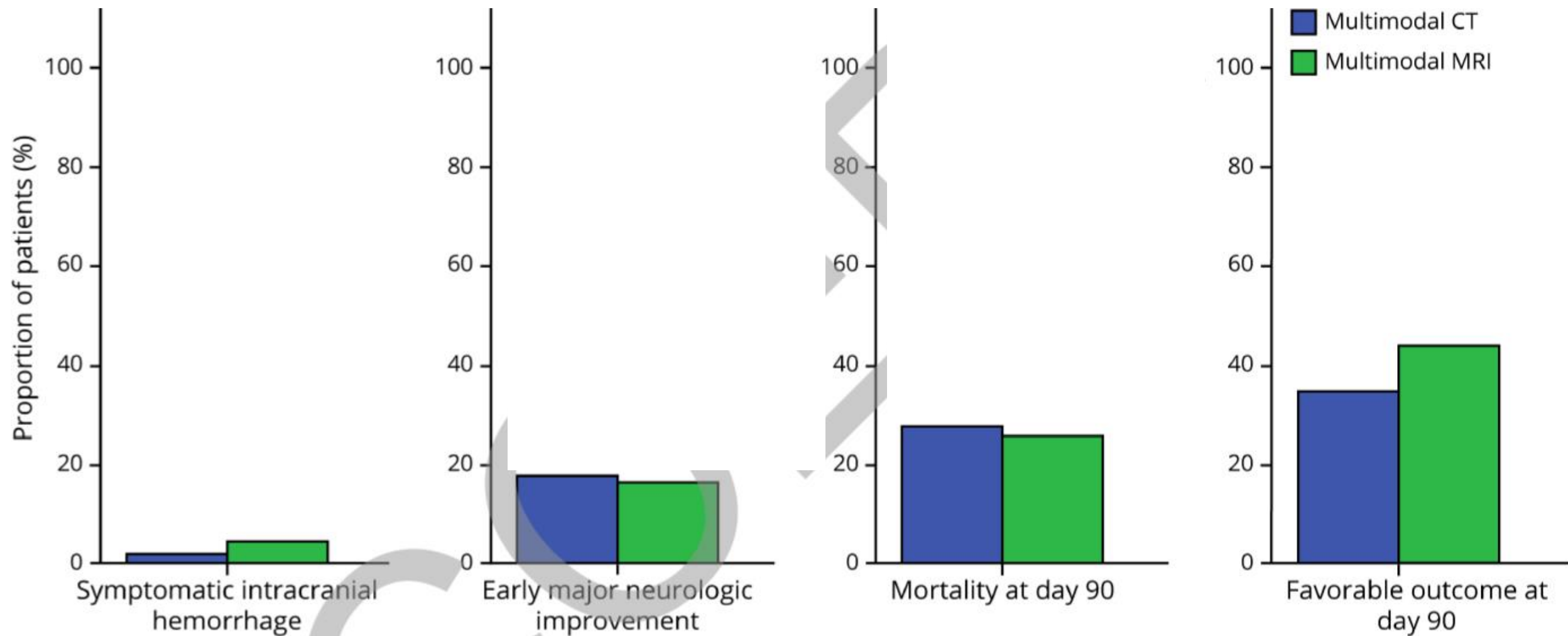
trombolüüsitud patsientide %

Uued meetodid: tähtis on koekahjustus/päästetav ajukude

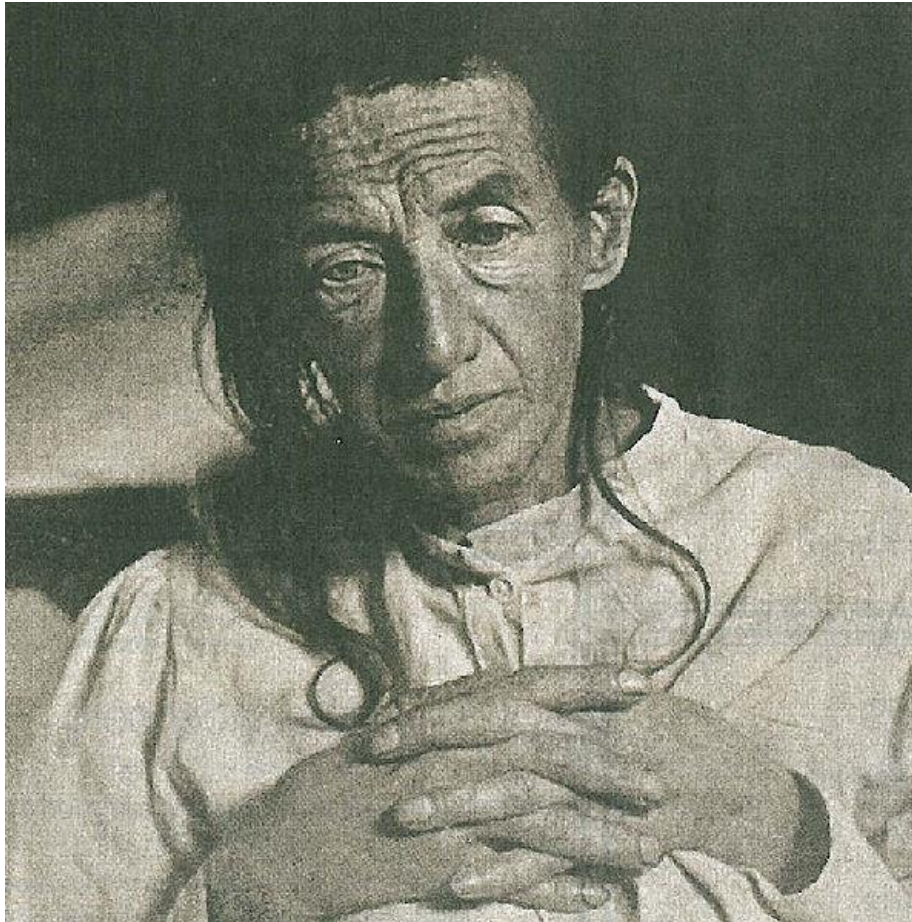


A Pecheroni varustusala infarkt

Uued meetodid: KT ja MRT päästetava koe diagnoosimisel



Alzheimeri haigus



AD patoloogia + 1 lakunaarne infarkt: 93% kliiniliselt dementsusega vs 57%, nagu..... Prussakad
Kognitiivne reserv

Alzheimer 1907, Snowden et al 1997, Time July 2009, Gelber et al, 2012, Schneider, AAN, 2018

Alzheimeri haiguse teke

- Amüloid
- Tau
- Kognitiivne reserv
- Vaskulaarne kahjustus
- peaaju infarktid

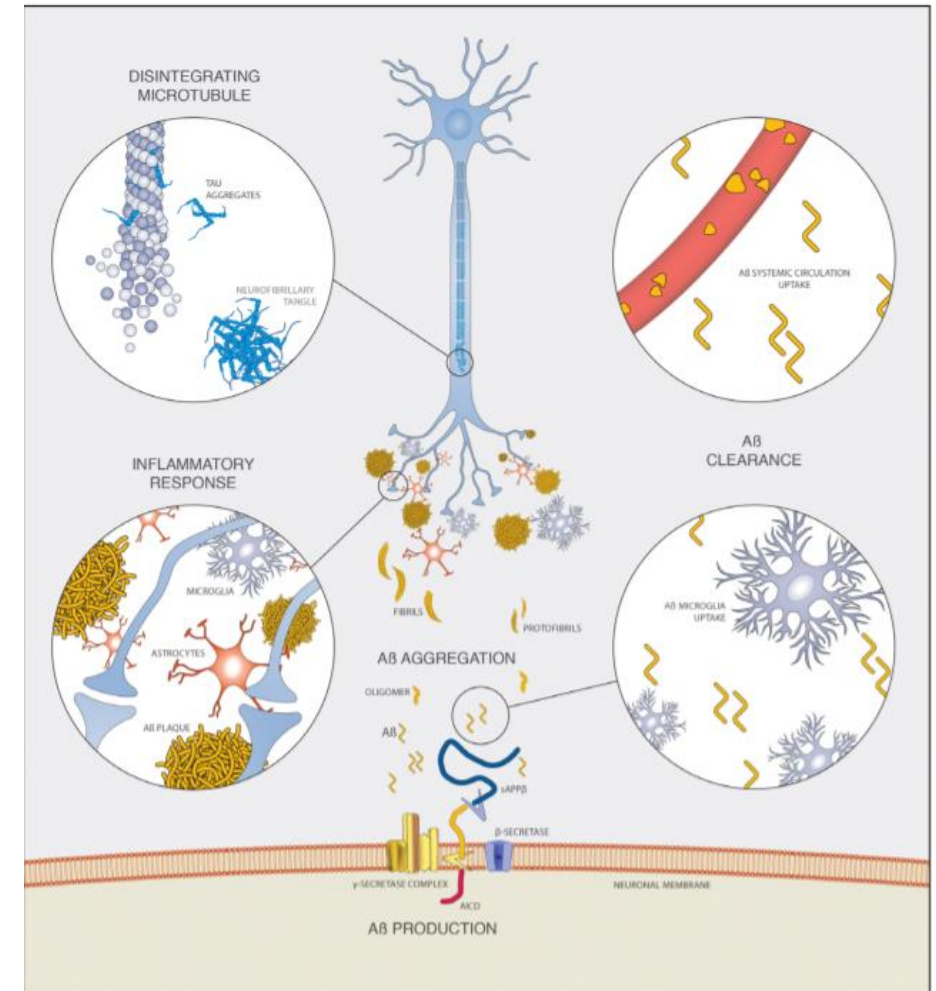
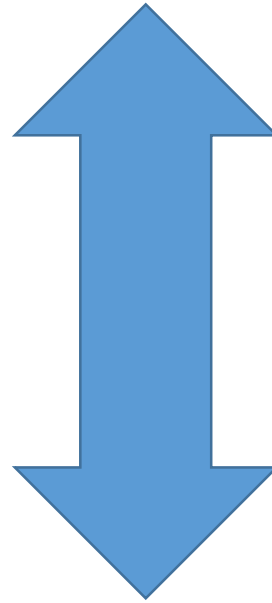
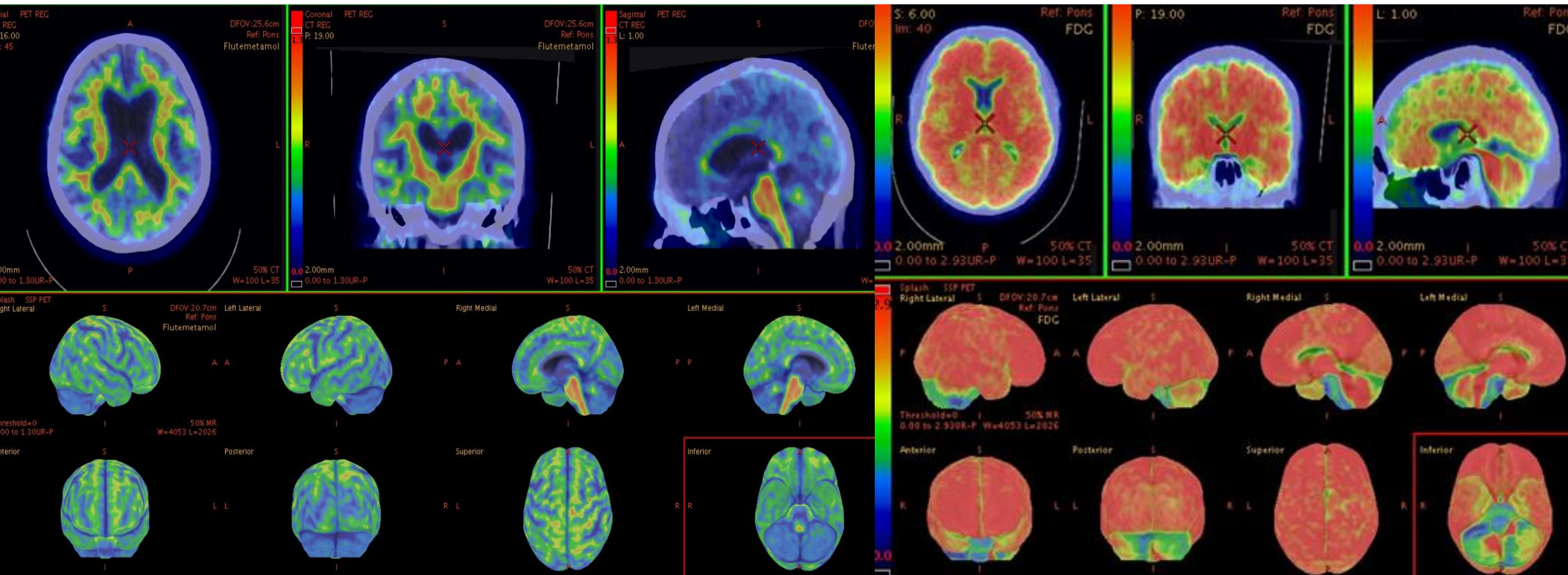
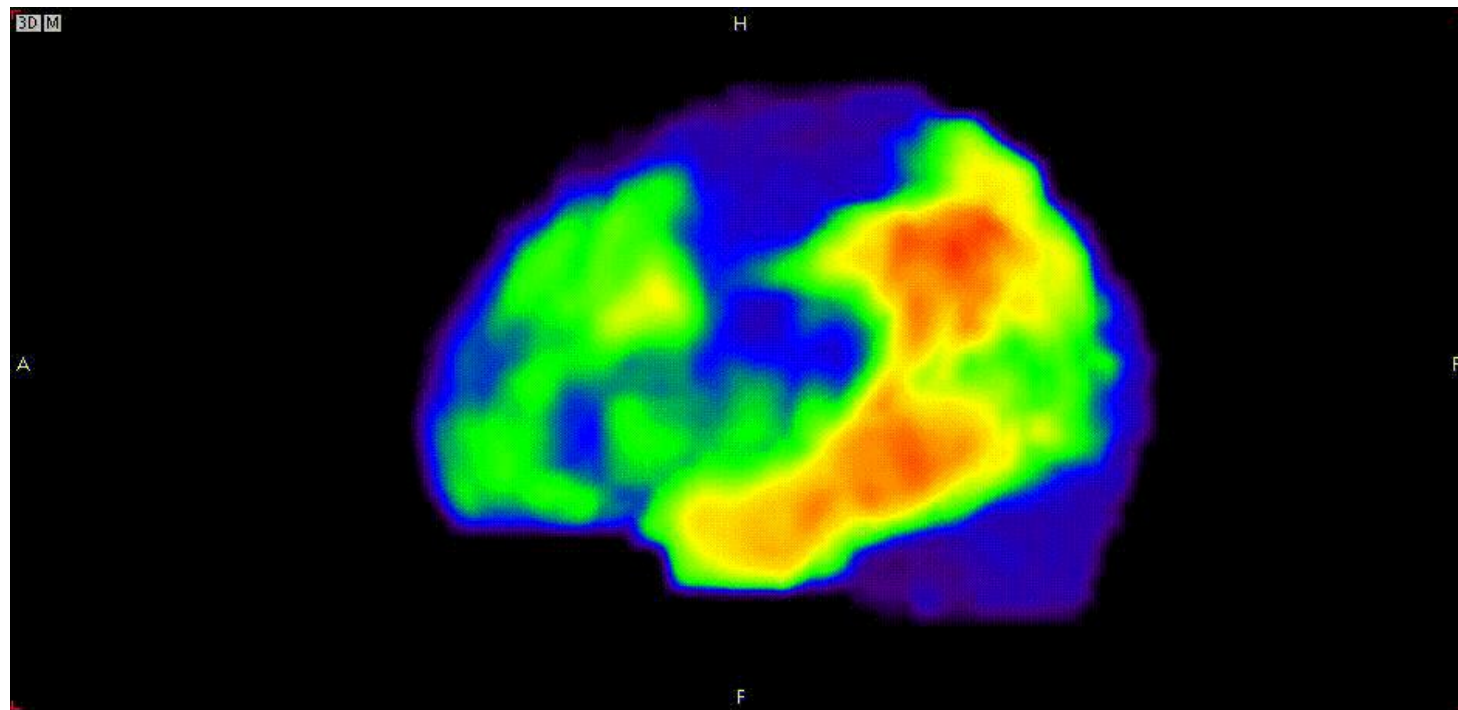


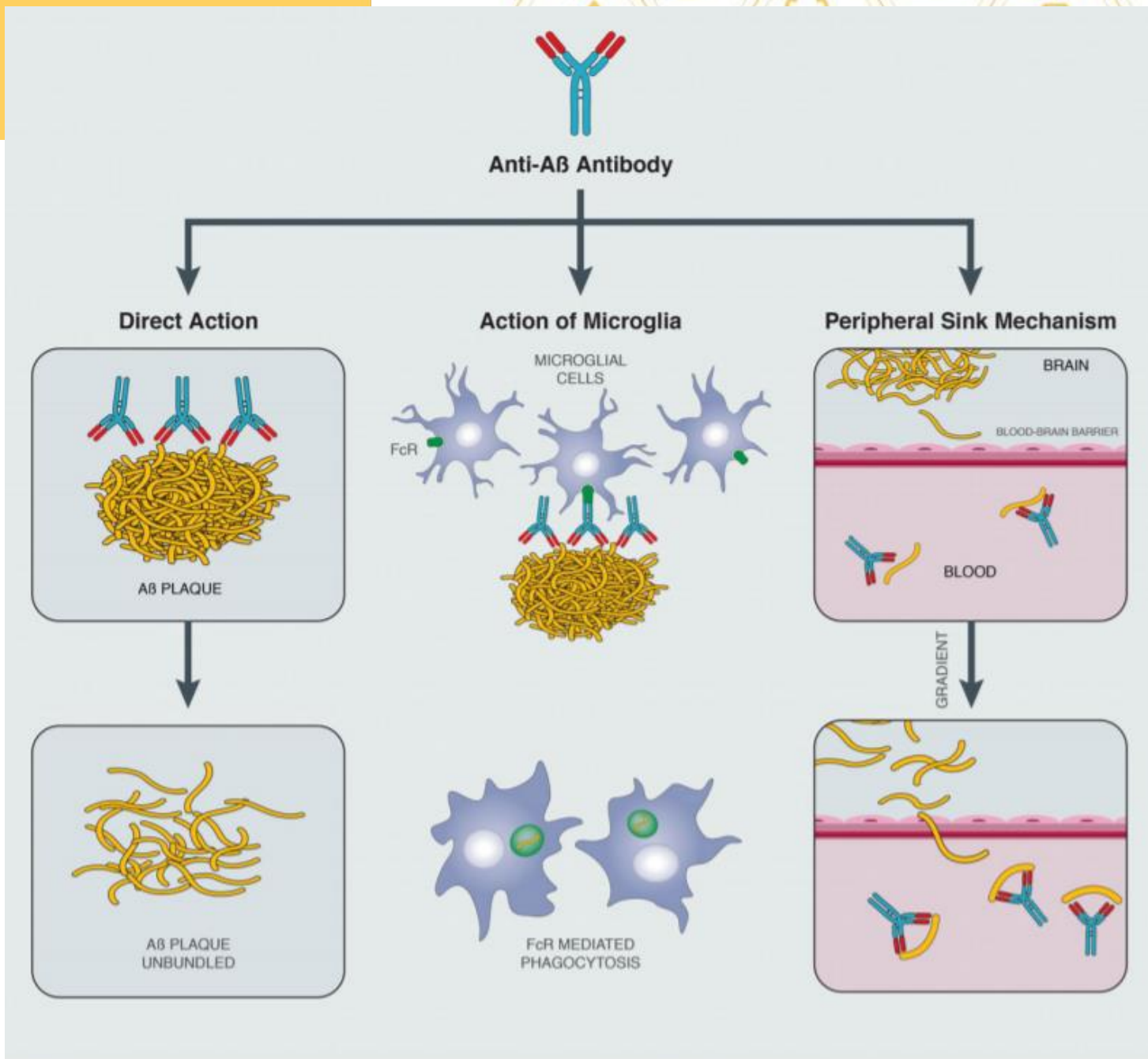
FIGURE 1: Scheme of the amyloid- β ($A\beta$) cascade hypothesis in Alzheimer disease.

Amüloid PET – amüloidi tuvastamine



Amüloidi ja tauvalgu uurimine praktikas





Amüloidi vastased
monoklonaalsed
antikehad

FIGURE 2: Mechanism of amyloid- β (A β) removal via A β -specific antibodies. FcR = Fc receptors.

Monoklonaalsed antikehad ja amüloidi eemaldamine

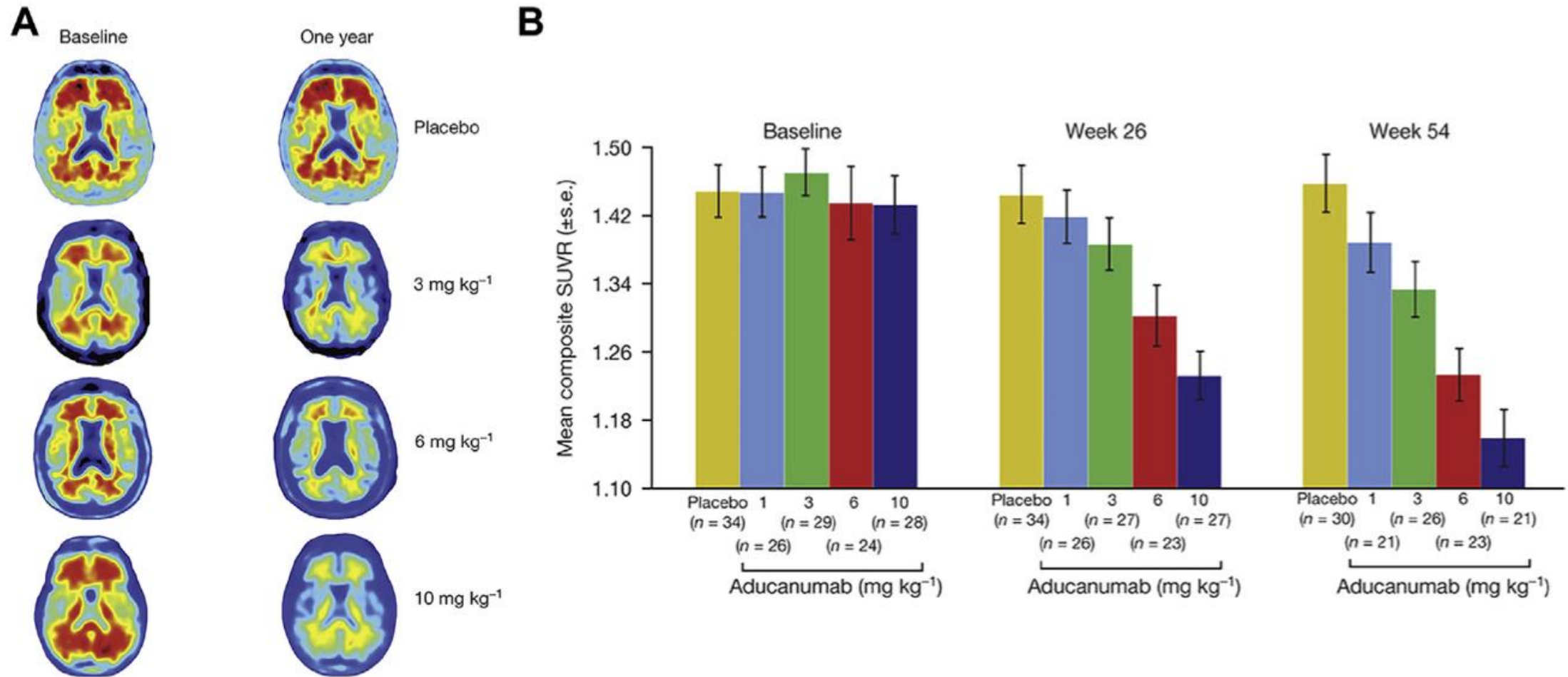
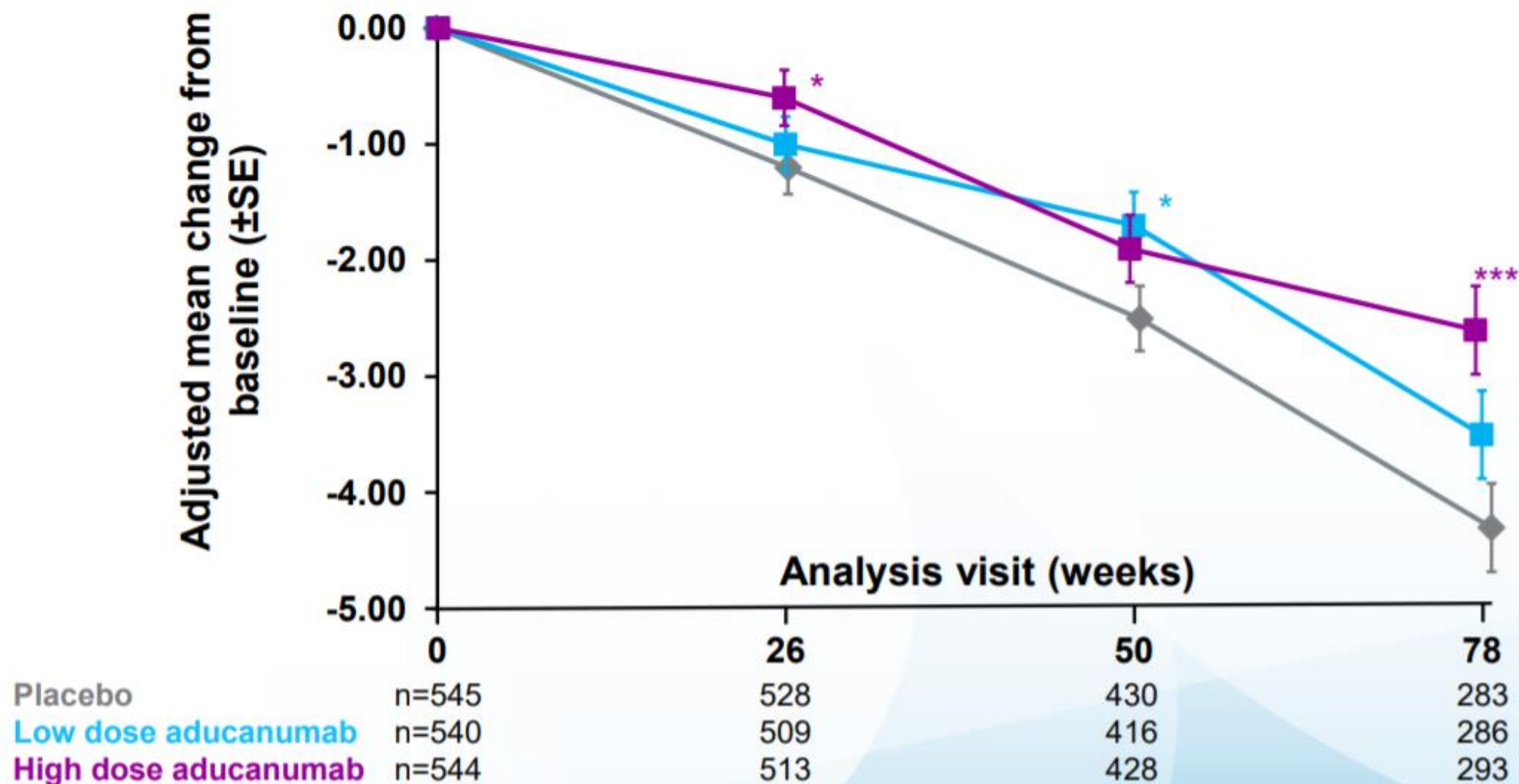


Figure 1. Amyloid plaque reduction with aducanumab. **(A)** Example amyloid positron emission tomography images at baseline and week 54. Individuals

EMERGE: Longitudinal change from baseline in ADCS-ADL-MCI





APAC NOVEMBER 7, 2020 / 11:33 AM / UPDATED 12 DAYS AGO

Combative U.S. FDA panel votes against Biogen Alzheimer's drug

By Deena Beasley, Manojna Maddipatla

4 MIN READ



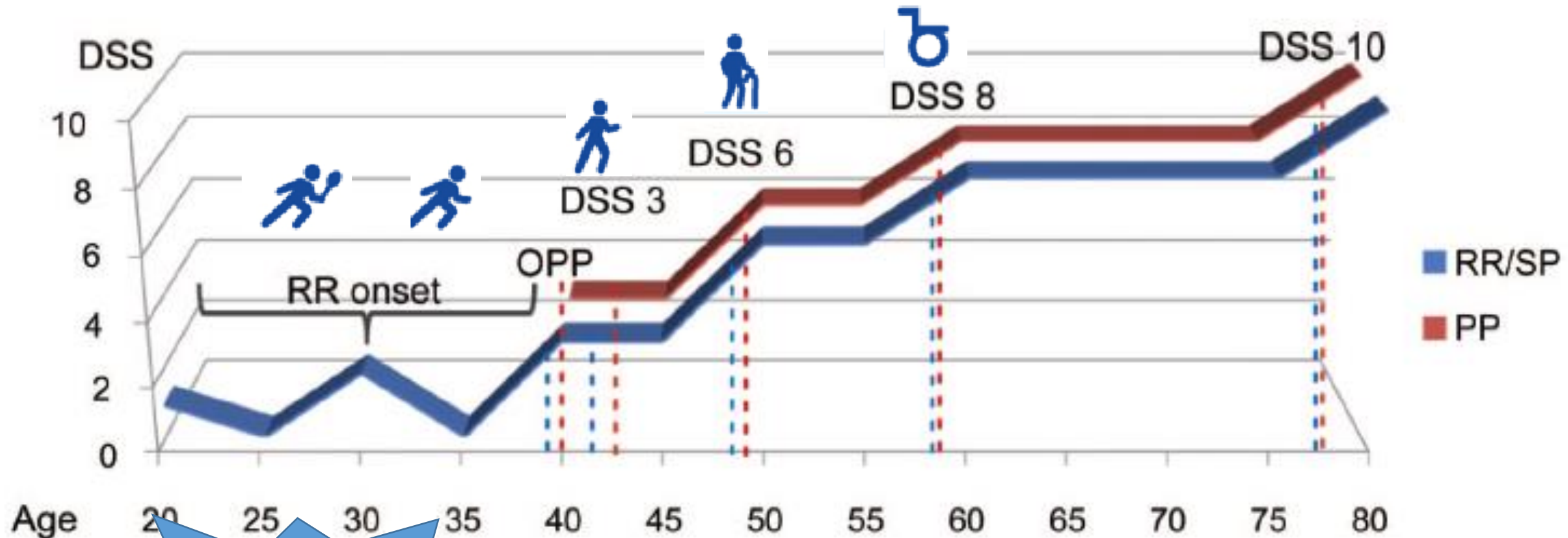
(Reuters) - A panel of outside advisers to the U.S. Food and Drug Administration on Friday voted that a potential Alzheimer's treatment from Biogen Inc has not been proven to slow progression of the disease, a sharp rebuke to agency staff who earlier this week praised the drug.



Miks ühel haigusel on ravi ja teisel mitte?

Põhjus, haiguse tekke mehhanismid,
ravi tulemuste hindamine

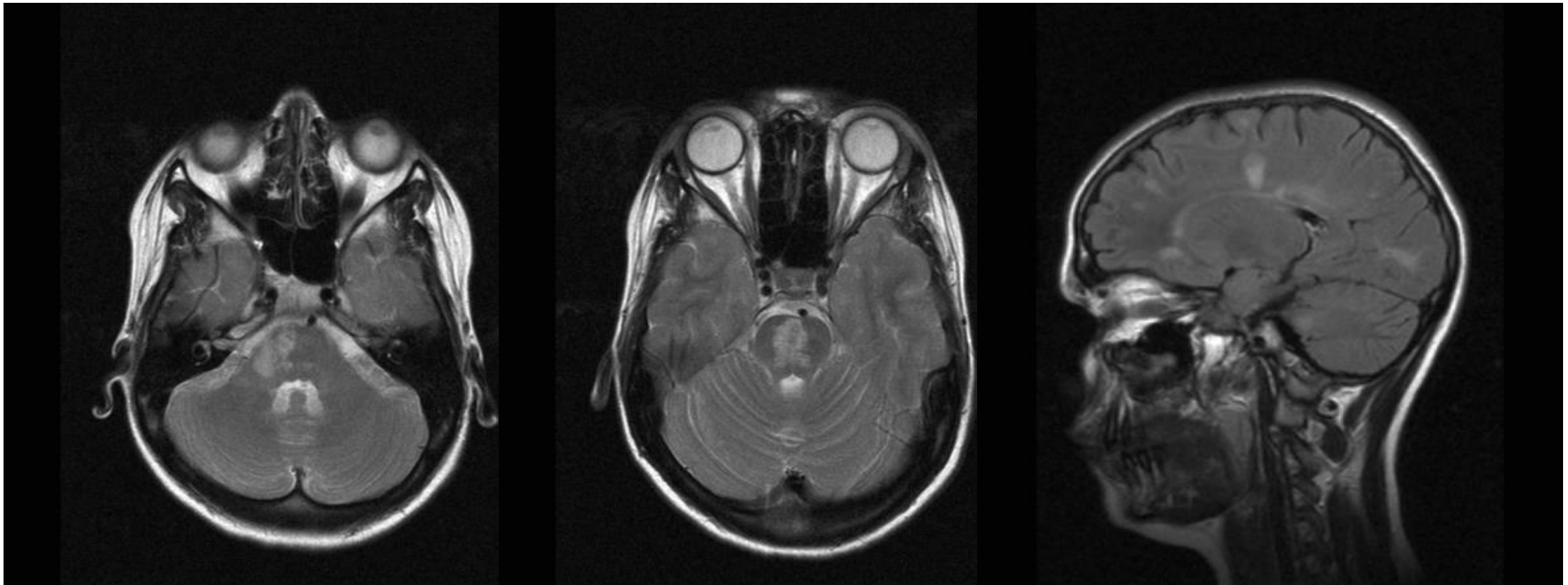
Sclerosis multiplex: disseminatsioon ajas ja ruumis ajalooline kulg



Ägenemised-remissioonid

Sclerosis multiplex: disseminatsioon ajas ja ruumis

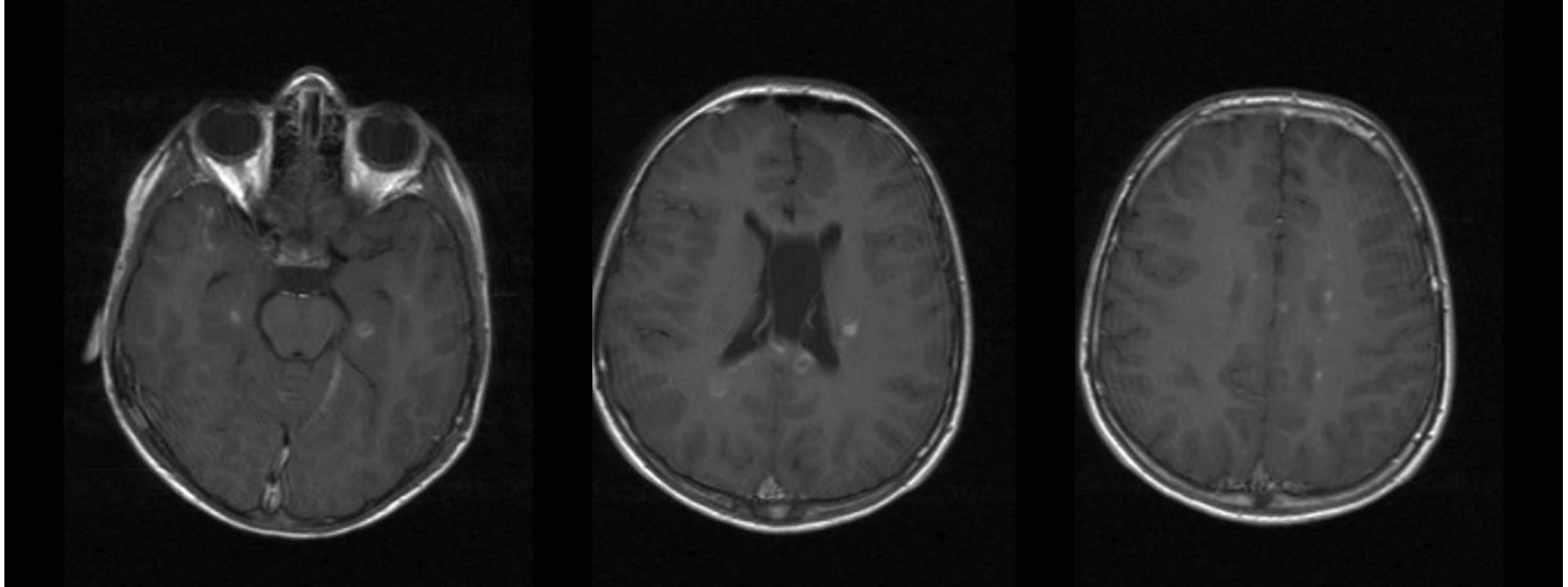
disseminatsioon **ruumis**: MRT



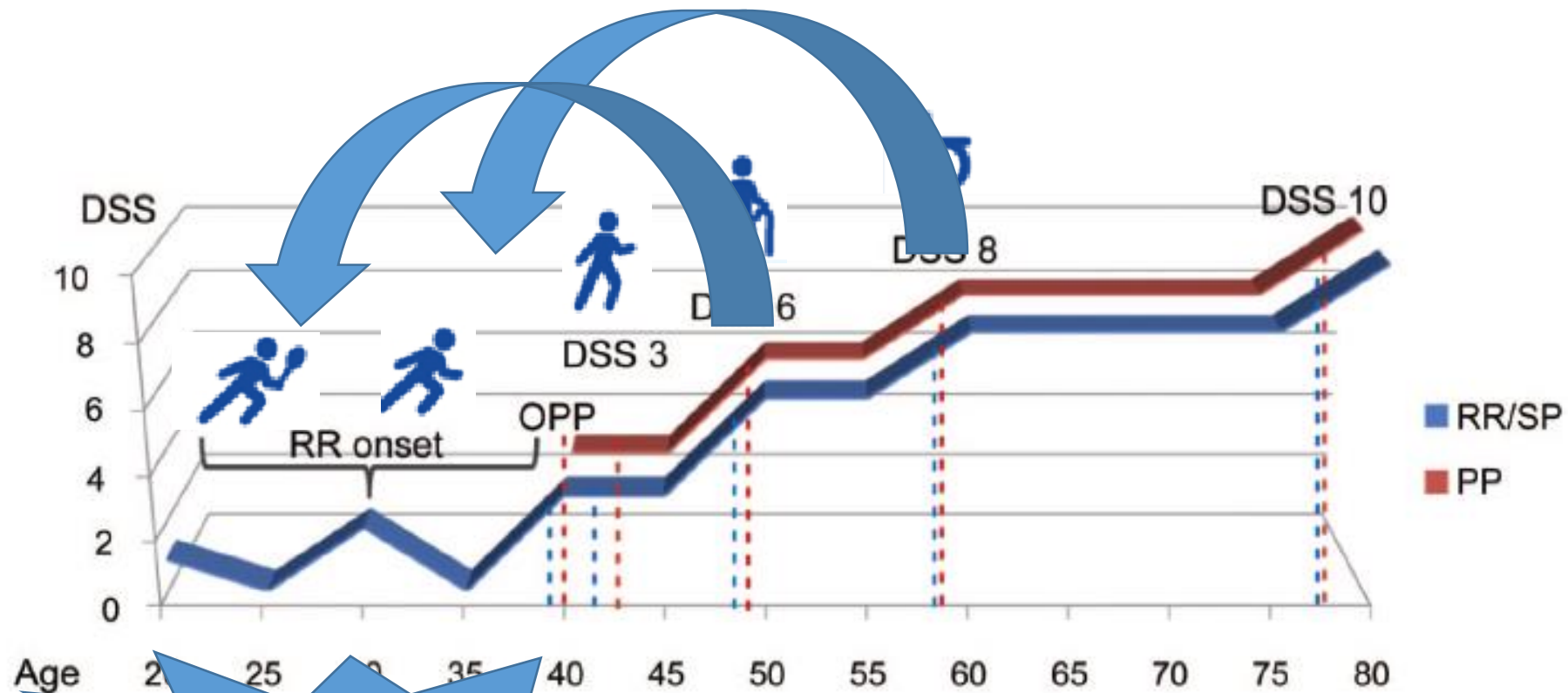
KT-s nähtamatu

Sclerosis multiplex: disseminatsioon ajas ja ruumis

disseminatsioon **ajas**: MRT

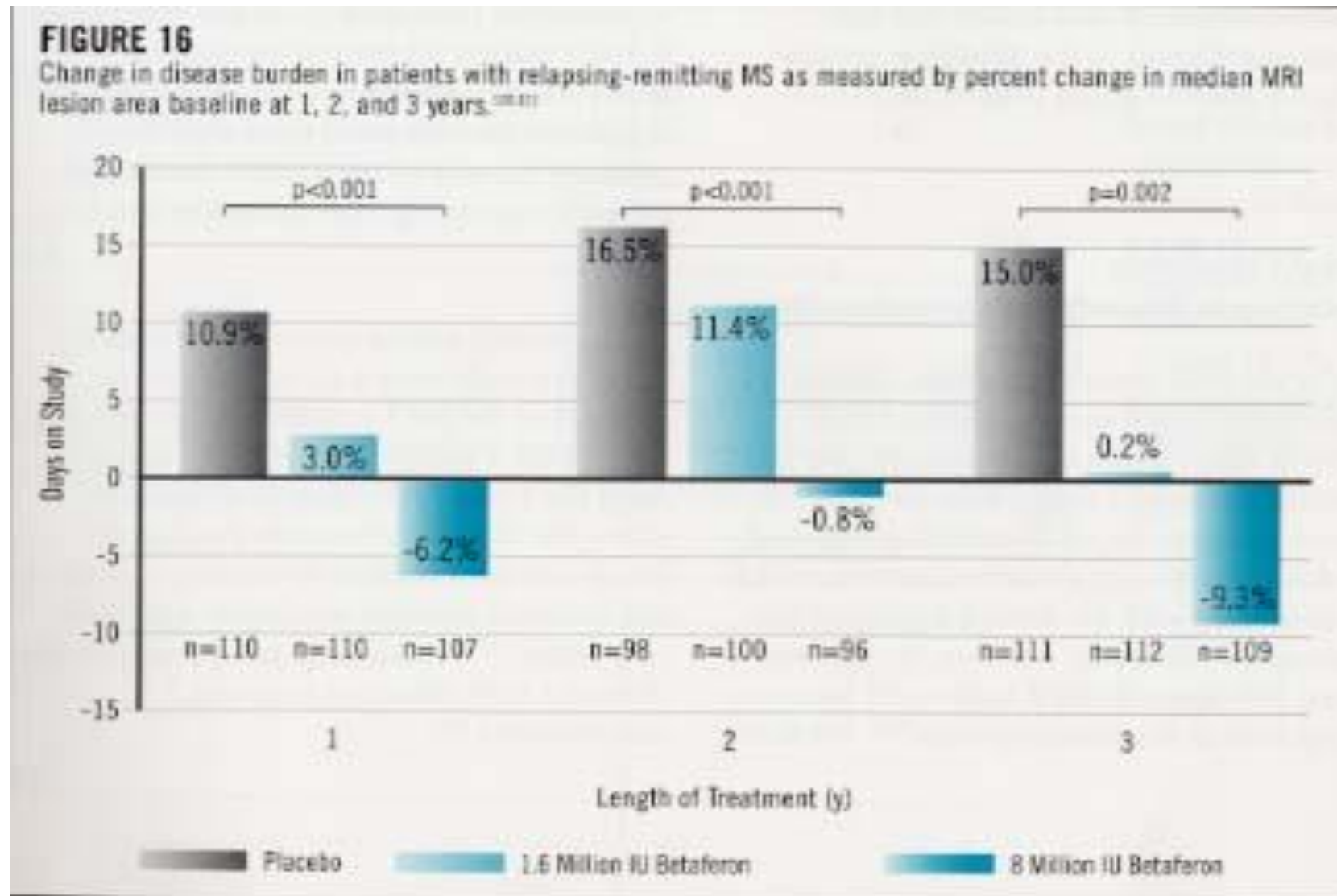


Sclerosis multiplexi diagnoosimise aeg



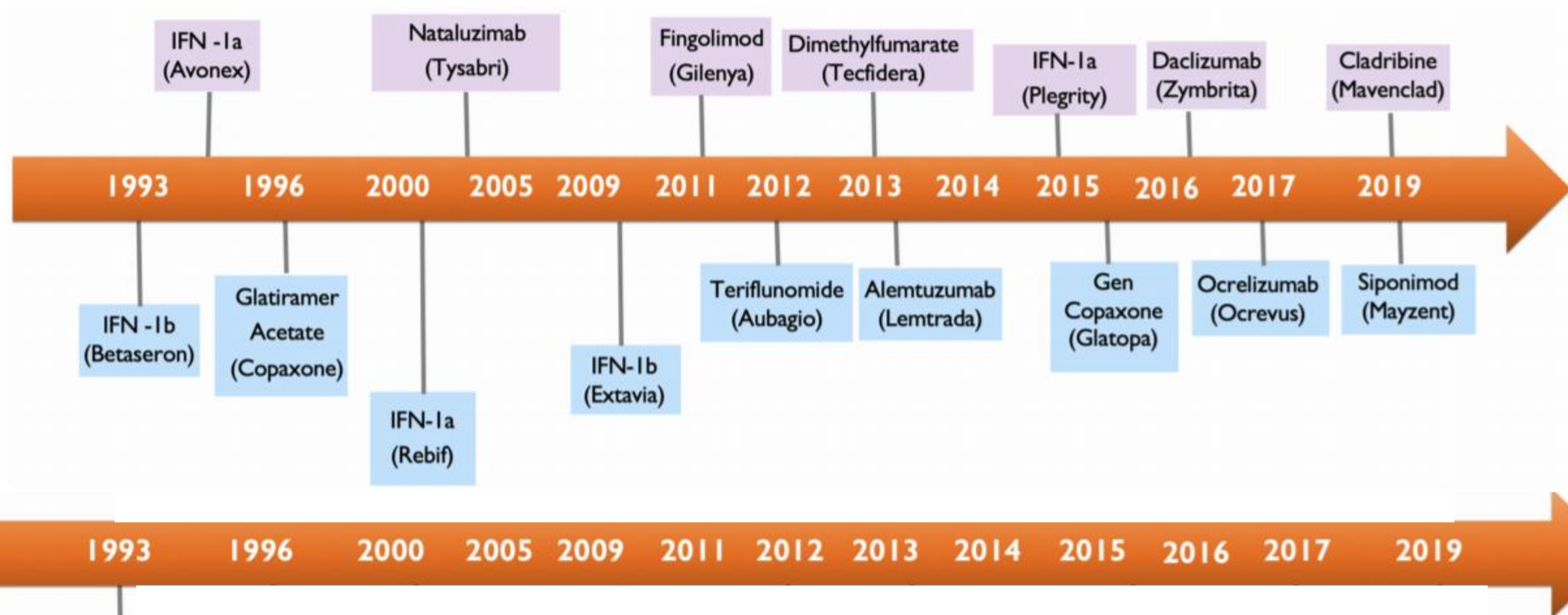
Ägenemised-remissioonid

Ravi efektiivsus: uusi koldeid MRT-s on vähem

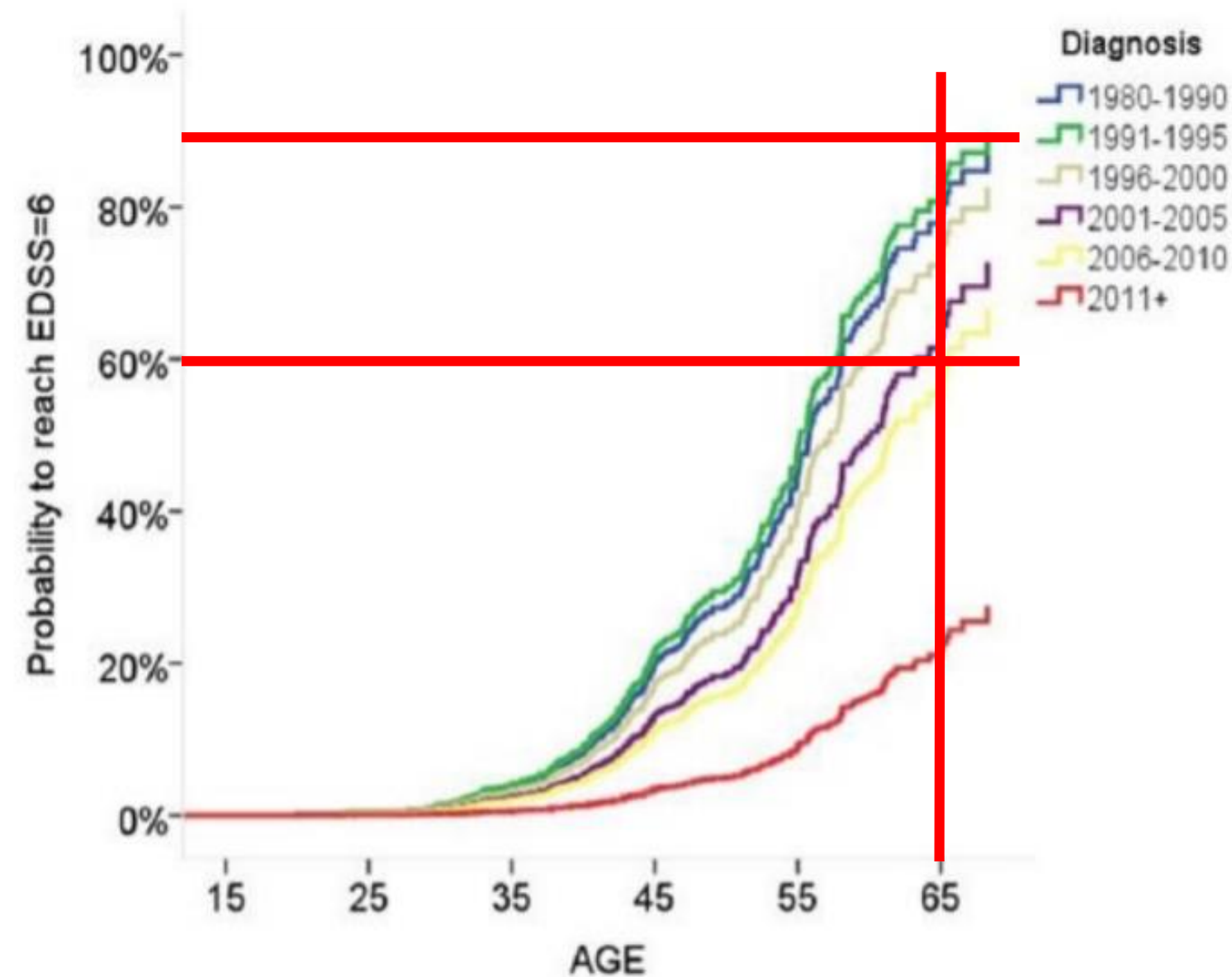


D.W.Paty, MD; D.K.B. Li, MD; the UBC MS/MRI Study Group*; and the IFNB Multiple Sclerosis Study Group*, 1993

Sclerosis multiplex – haiguskulgu muutev ravi



SM prognoosi muutus: kui paljud vajavad kõndimiseks keppi?



Haiguskulgu muutvat ravi ei ole

Erinevad ravimid



Migreen ja kaasaegne ravi

**Farmakoloogiline ravi
tabletid**

**Farmakoloogiline ravi
süstid, blokaadid**

**Mitte-farmakoloogiline ravi
neuromodulatsioon**

**Krooniline migreen
 ≥ 15 päeva kuus**

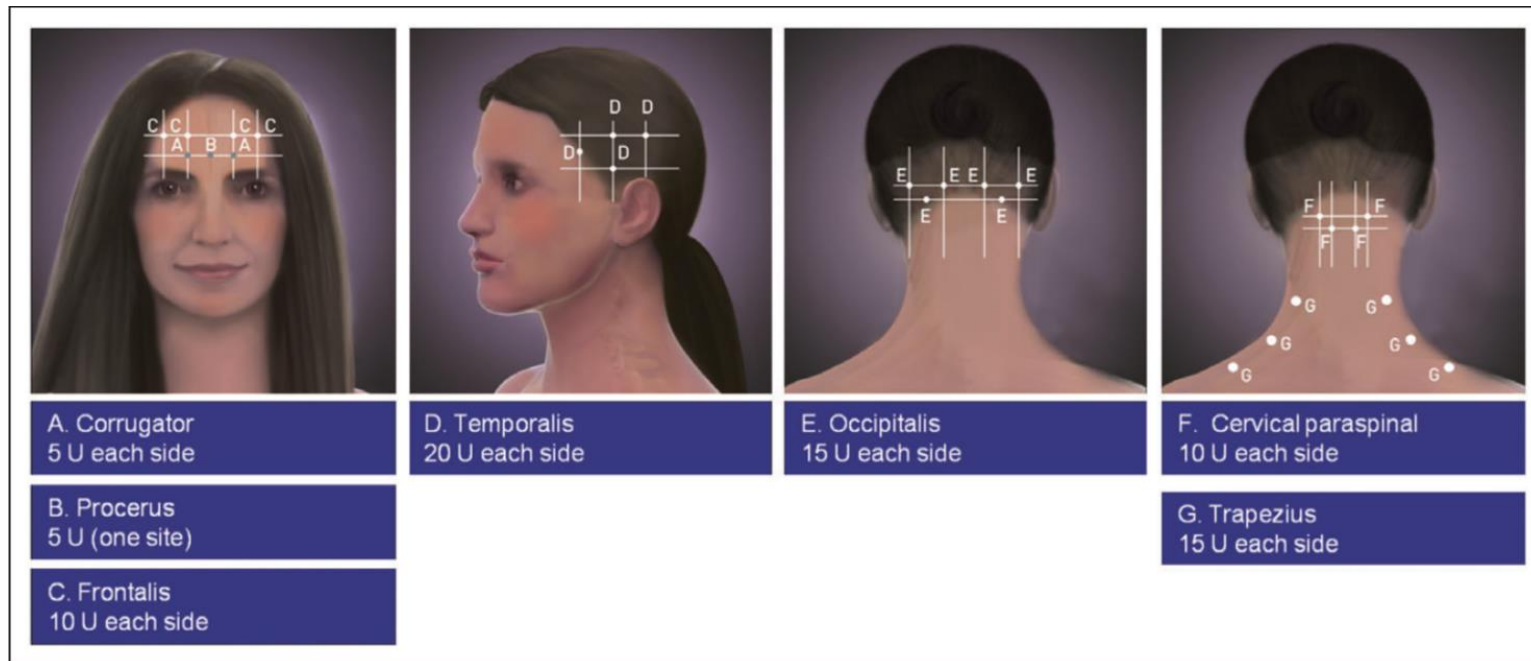
**Episoodiline migreen
 ≥ 5 päeva kuus**

**Episoodiline migreen
Pt soov profülaktiliseks raviks**

**Episoodiline migreen
 < 4 päeva kuus + Hea ravivastus**

Migreeni profülaktika: uued võimalused

- Tablettravi
 - Epilepsiaravimid
 - Antidepressandid
 - Vererõhuravimid
 - **NB! Lastel ebaefektiivsed**
- Blokaadid botuliinum-toksiiniga
- Neuromodulatsioon
- Süstid monoklonaalsete antikehadega



Monoklonaalsete antikehade efektiivsus

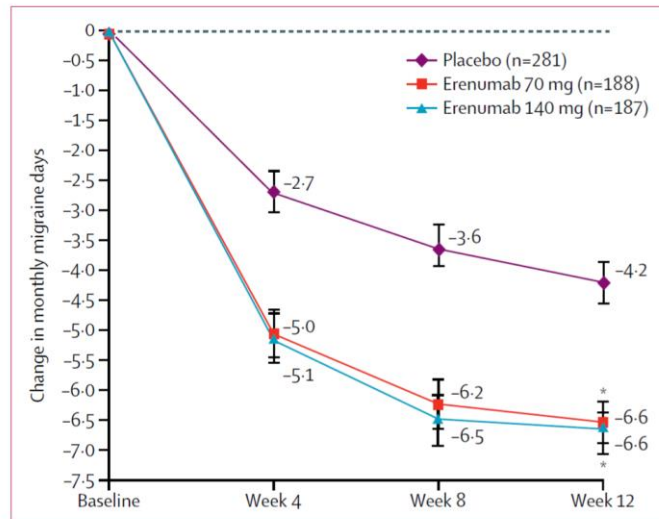
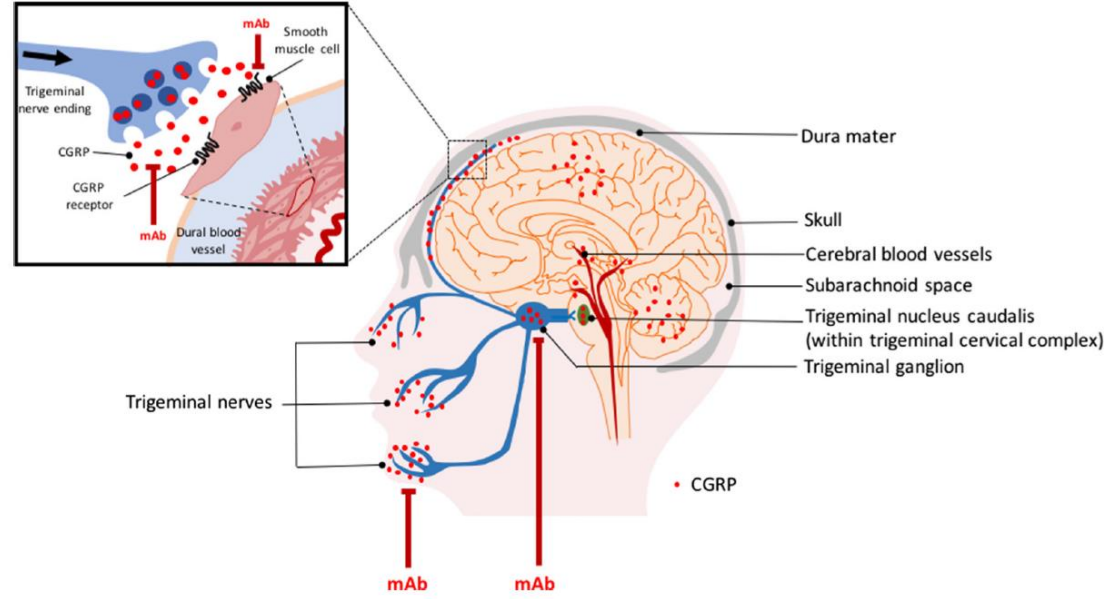
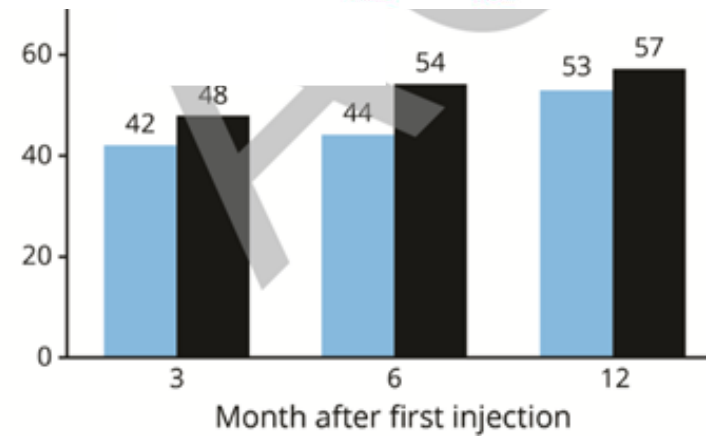
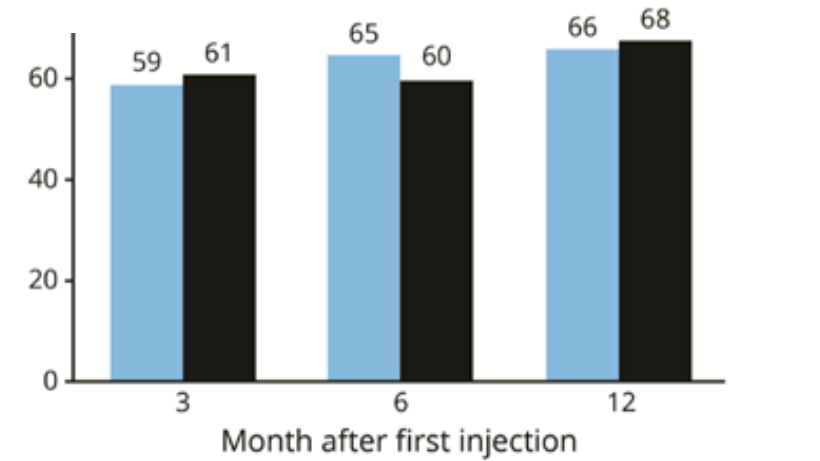


Figure 2: Change from baseline in monthly migraine days
*p<0.0001 for erenumab group vs placebo group.

Proportion of patients



Proportion of patients



Erenumab, fremanezumab

Suur tänu!!

