

Pokročilá zobrazovací vyšetření u akutního iktu

první rok zkušeností

MUDr. Martin Reiser

Neurologické oddělení nemocnice České Budějovice a.s.





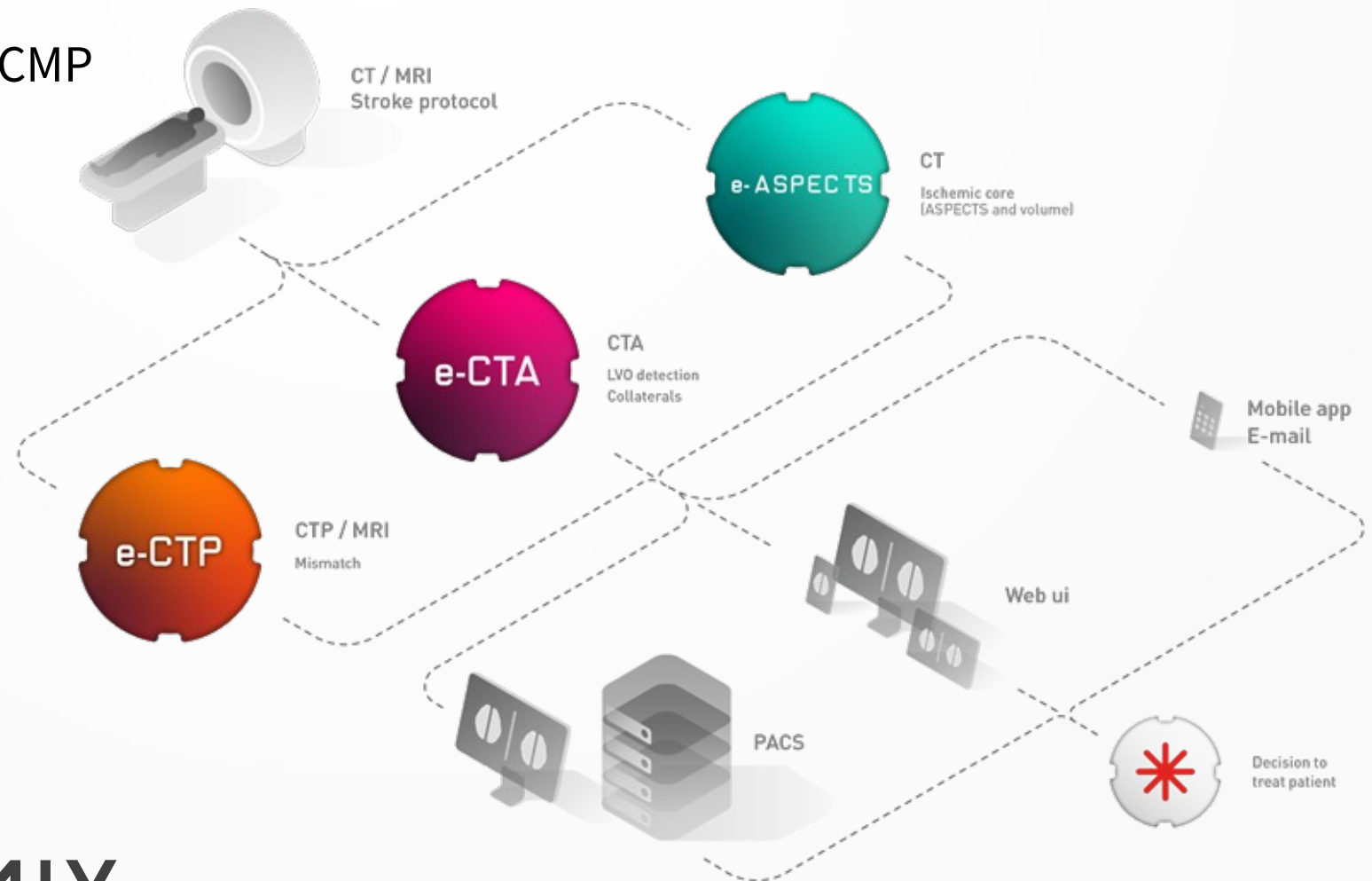




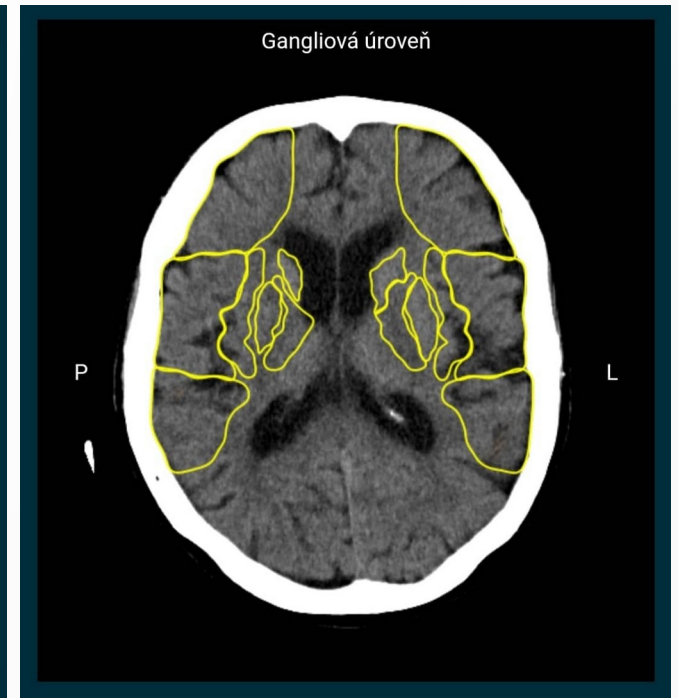
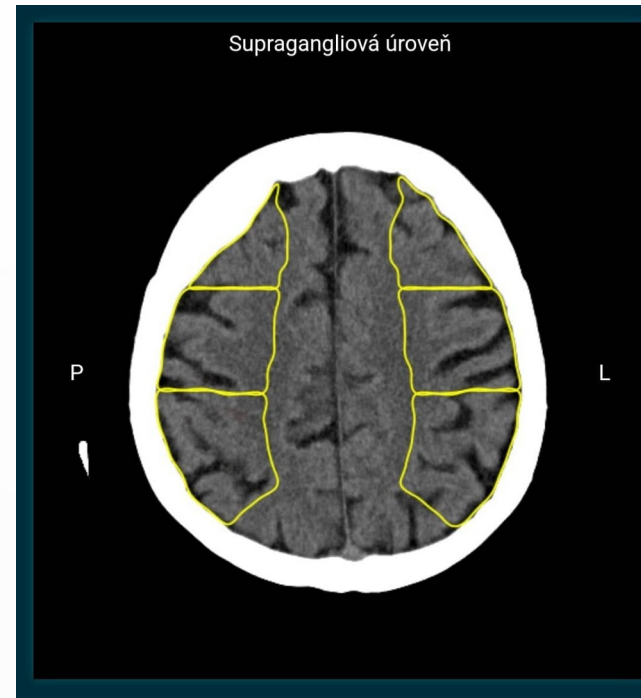


e-Stroke

Druhé rameno diagnostiky CMP

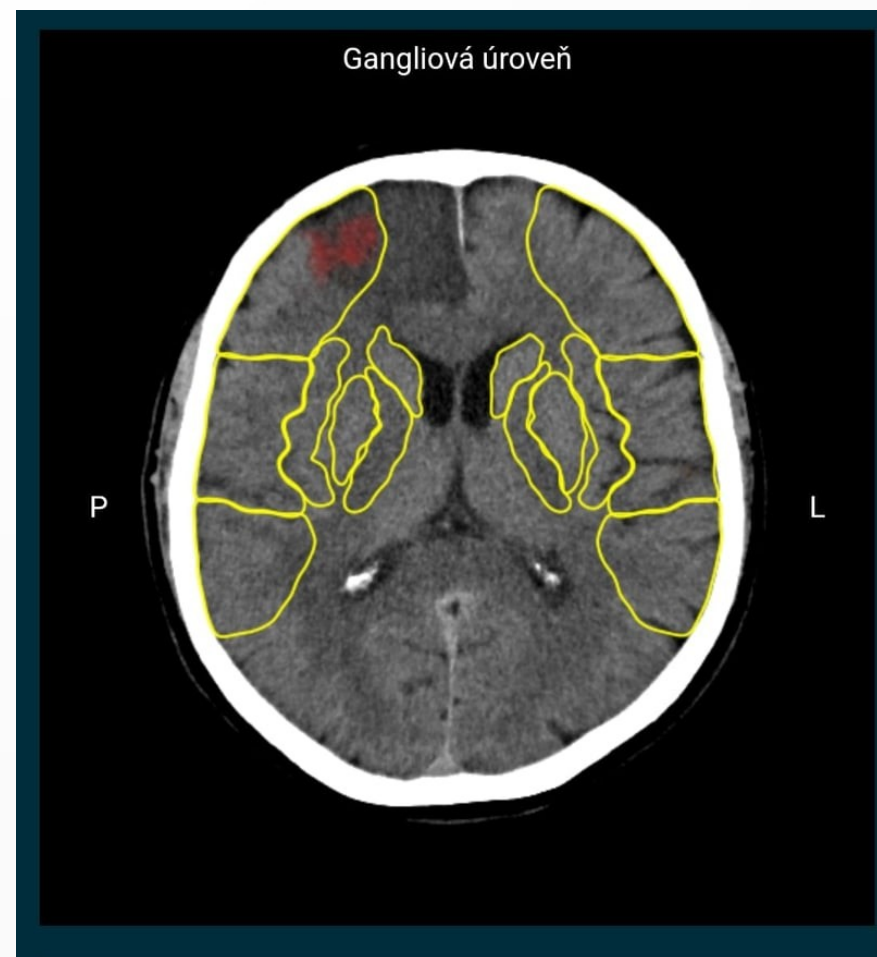
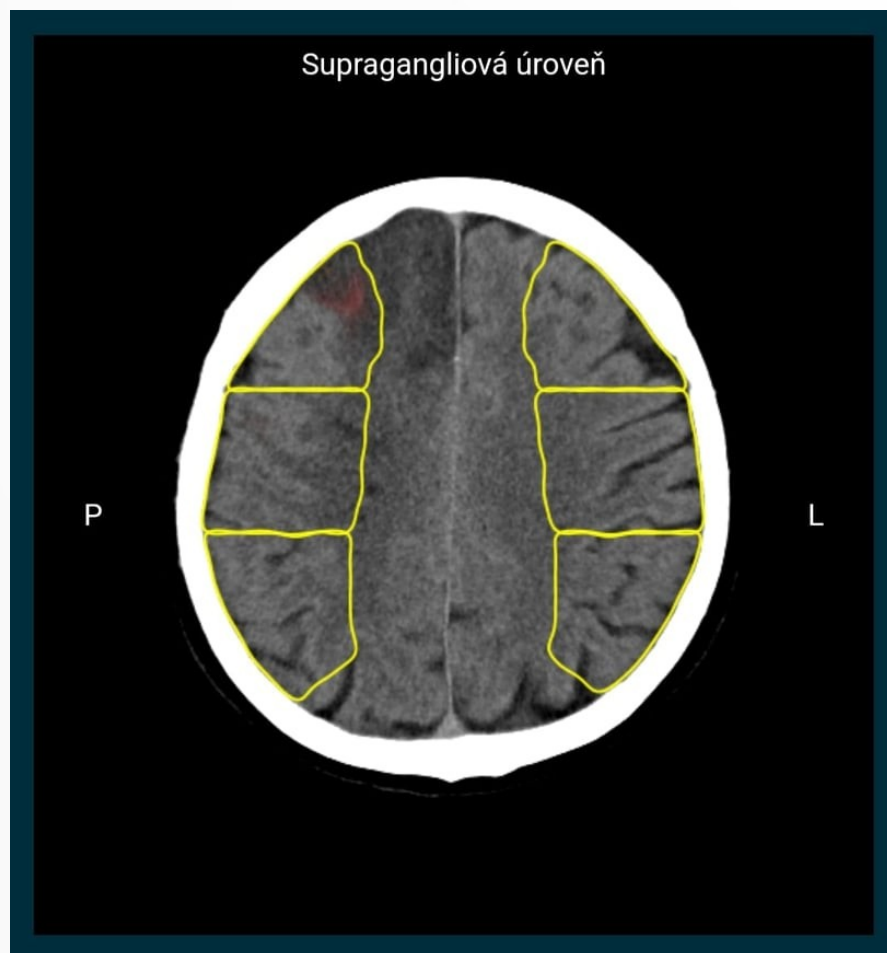


1. e-ASPECT



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Pacient s T trombem – uzávěr RICA + RMCA + RACA



1. e-ASPECT

74 letý pacient s WUS

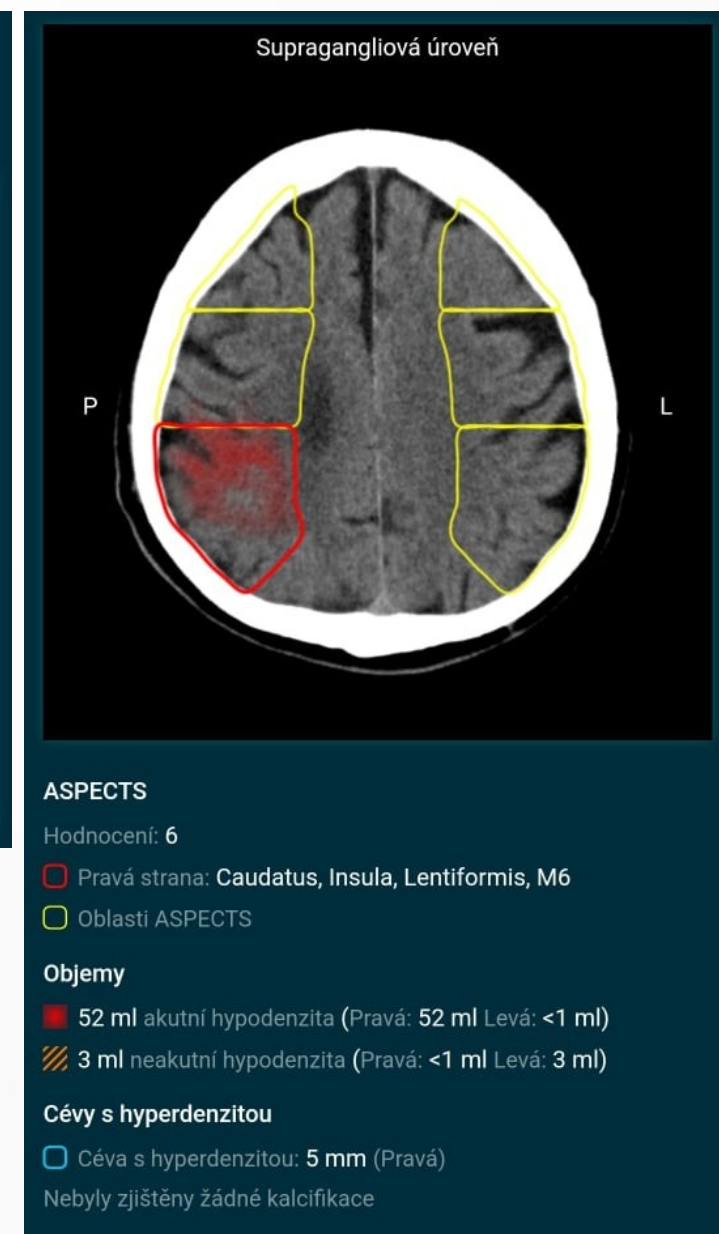
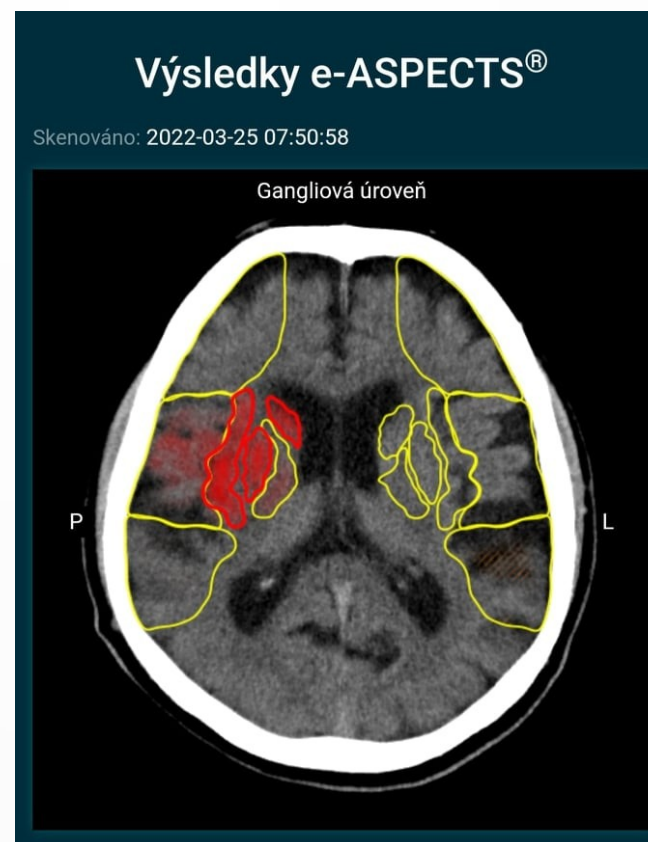
uzávěr RMCA M2

IVT+MT

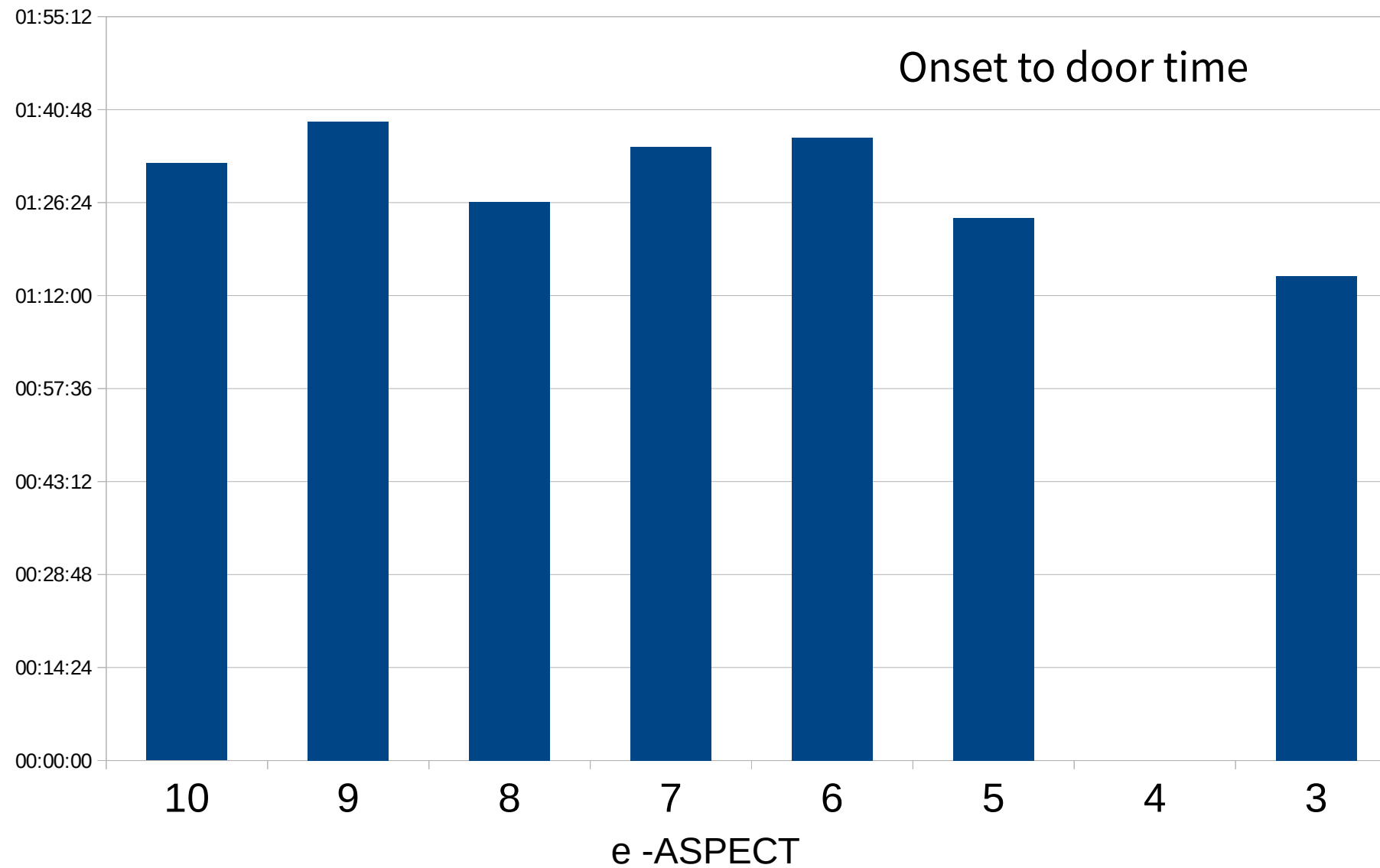
kontrolní CT drobný SAK

NIHSS vstupně 7

NIHSS při dimisi 1



1. e-ASPECT



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Exclusion criteria pro MT ve velkých studiích

ESCAPE ≥ 5

SWIFT PRIME ≥ 5

REVASCAT ≥ 6

MR clean – bez omezení

EXTEND, DEFUSE-3 infarct core ≥ 70

DAWN infarct core ≥ 50

RESCUE JAPAN 2022 – i u pacientů s ASPECT 3-5 lze dosáhnout MT lepších výsledků než s BMM
- nábor studie TENSION

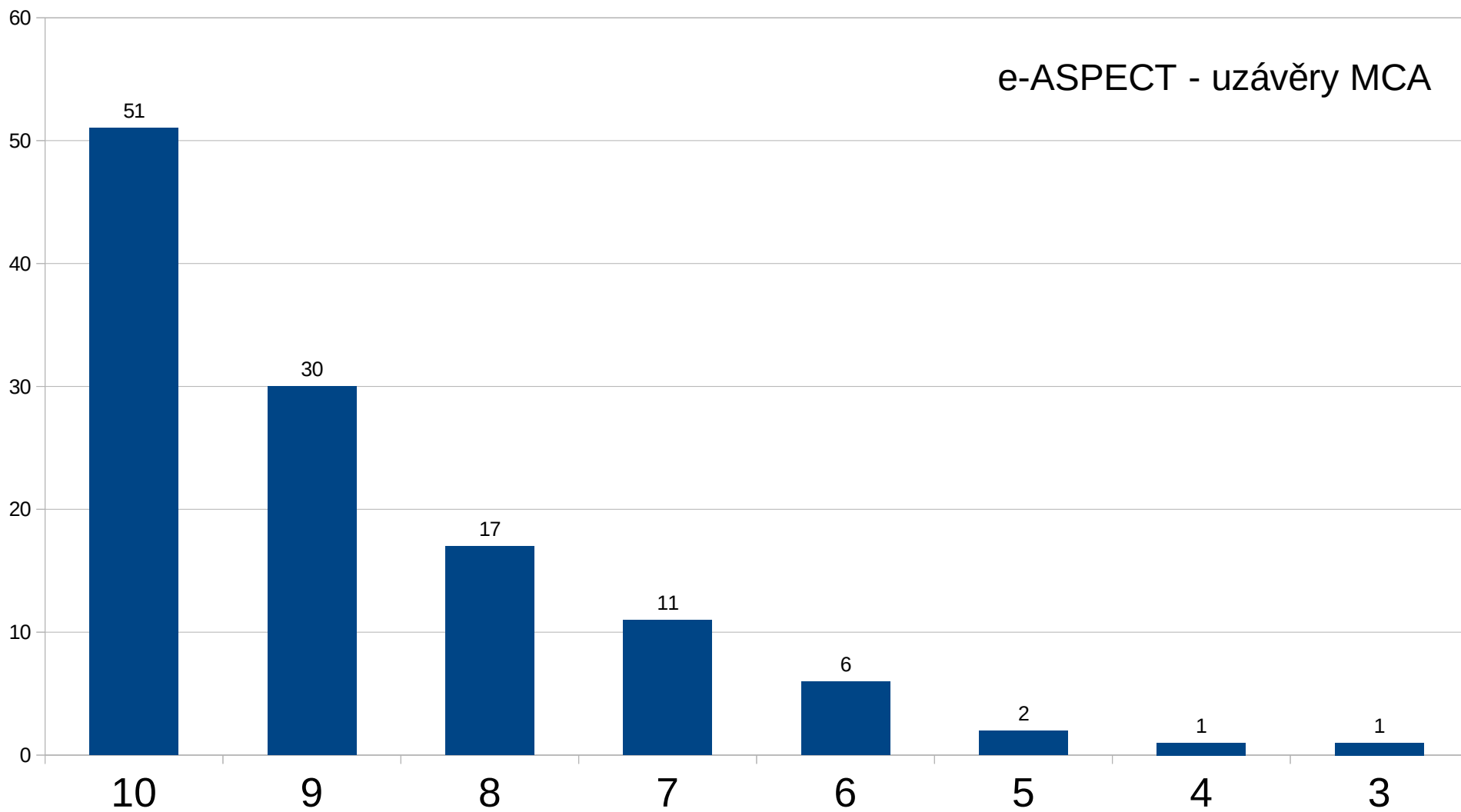
KCC České Budějovice ≥ 6

RESULTS – Efficacy outcome

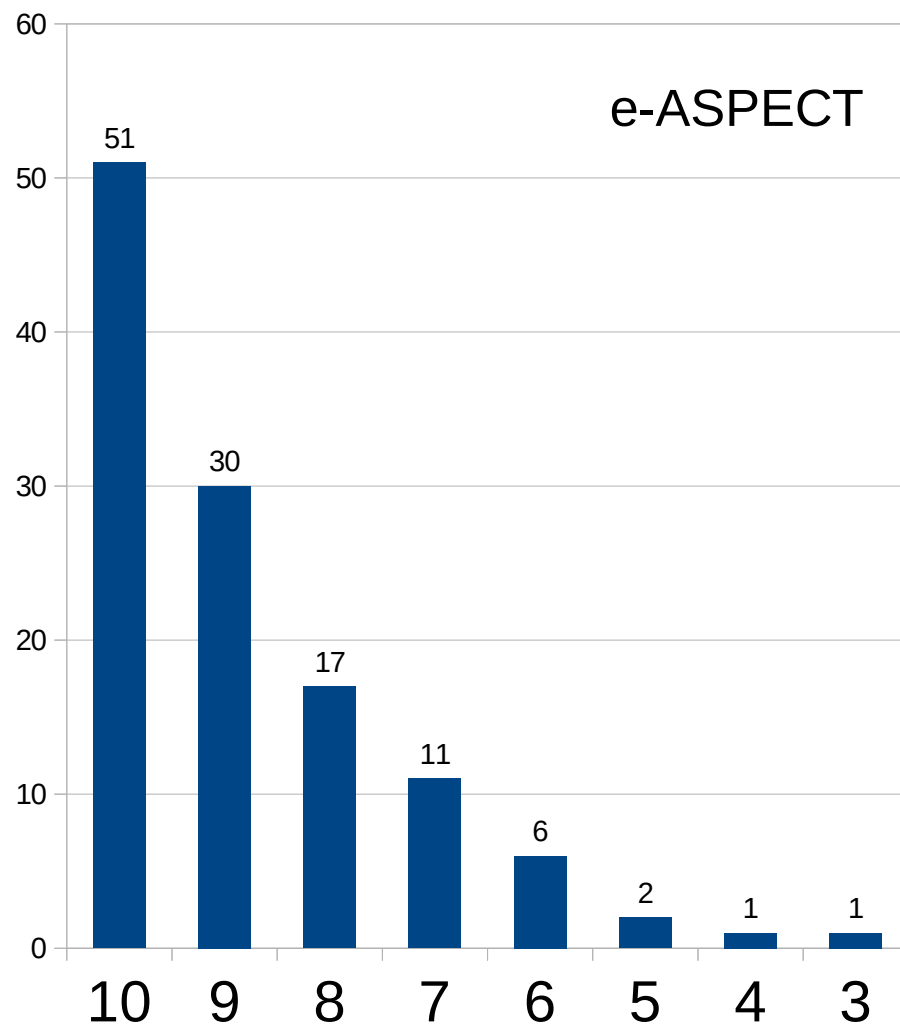
Primary outcome: mRS of 0 to 3 at 90 days



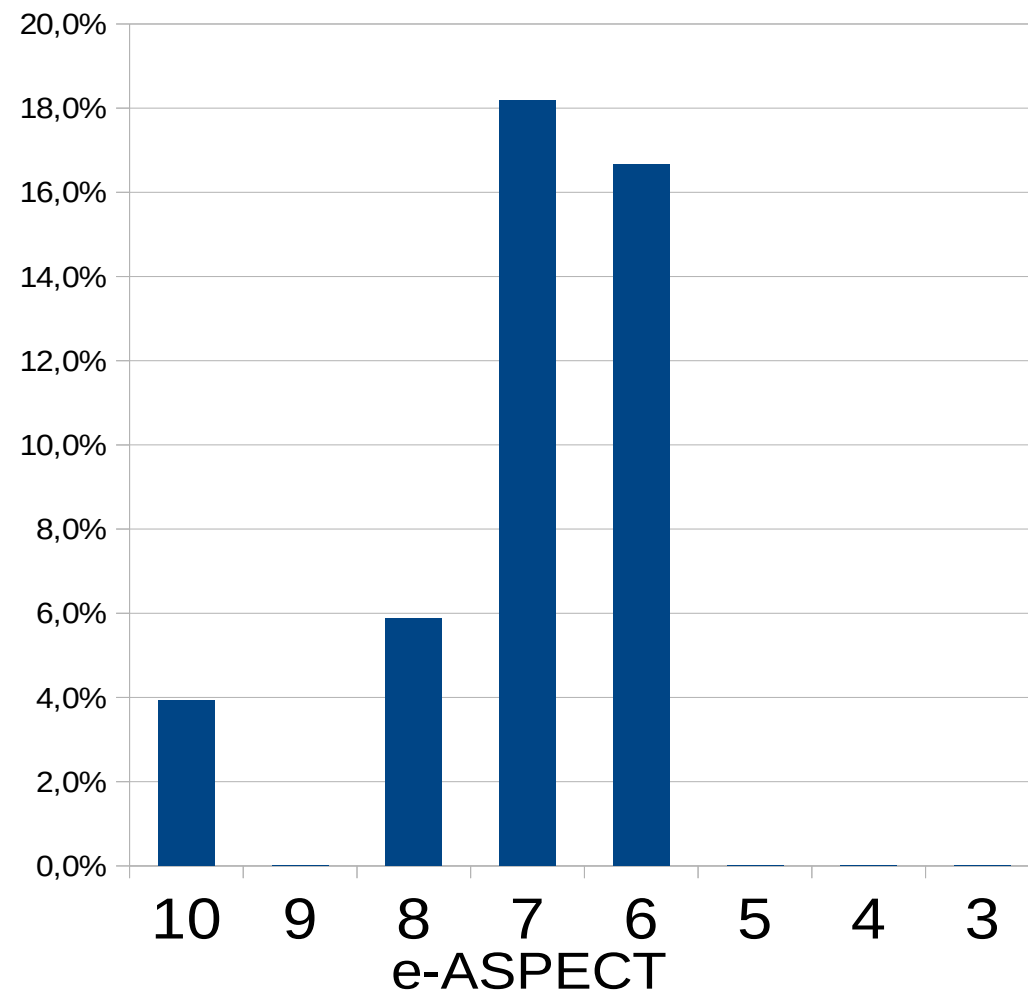
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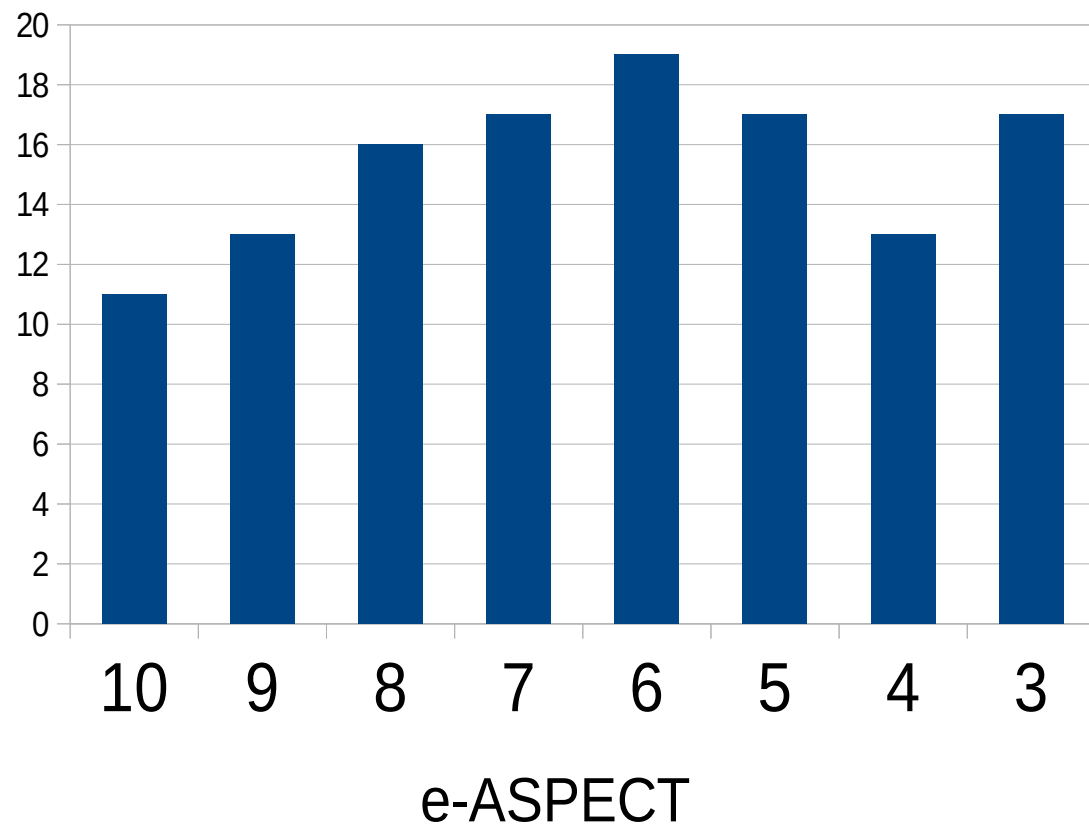


Výskyt symptomatických krvácení

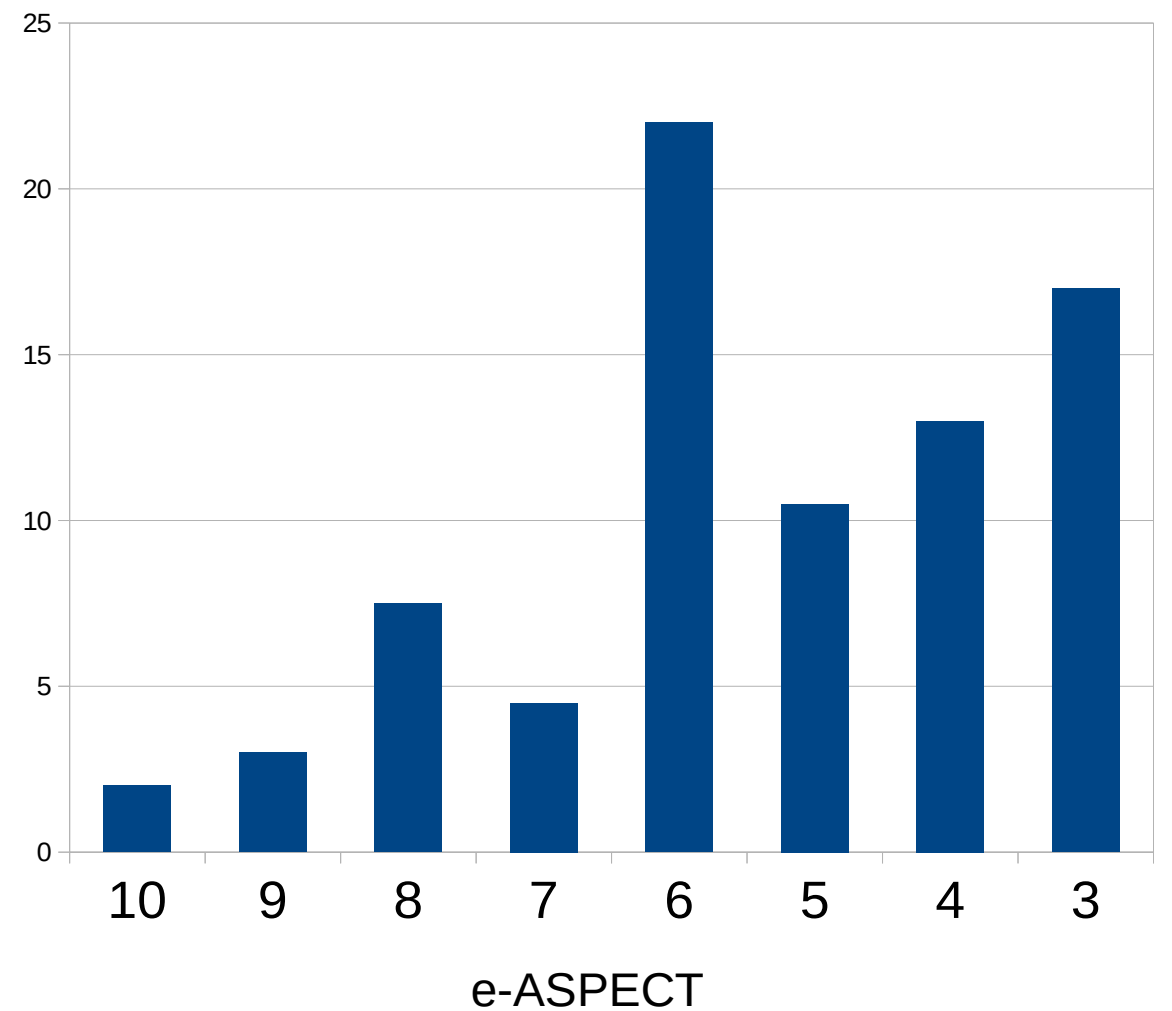


1. e-ASPECT

Deficit - příjem (NIHSS)

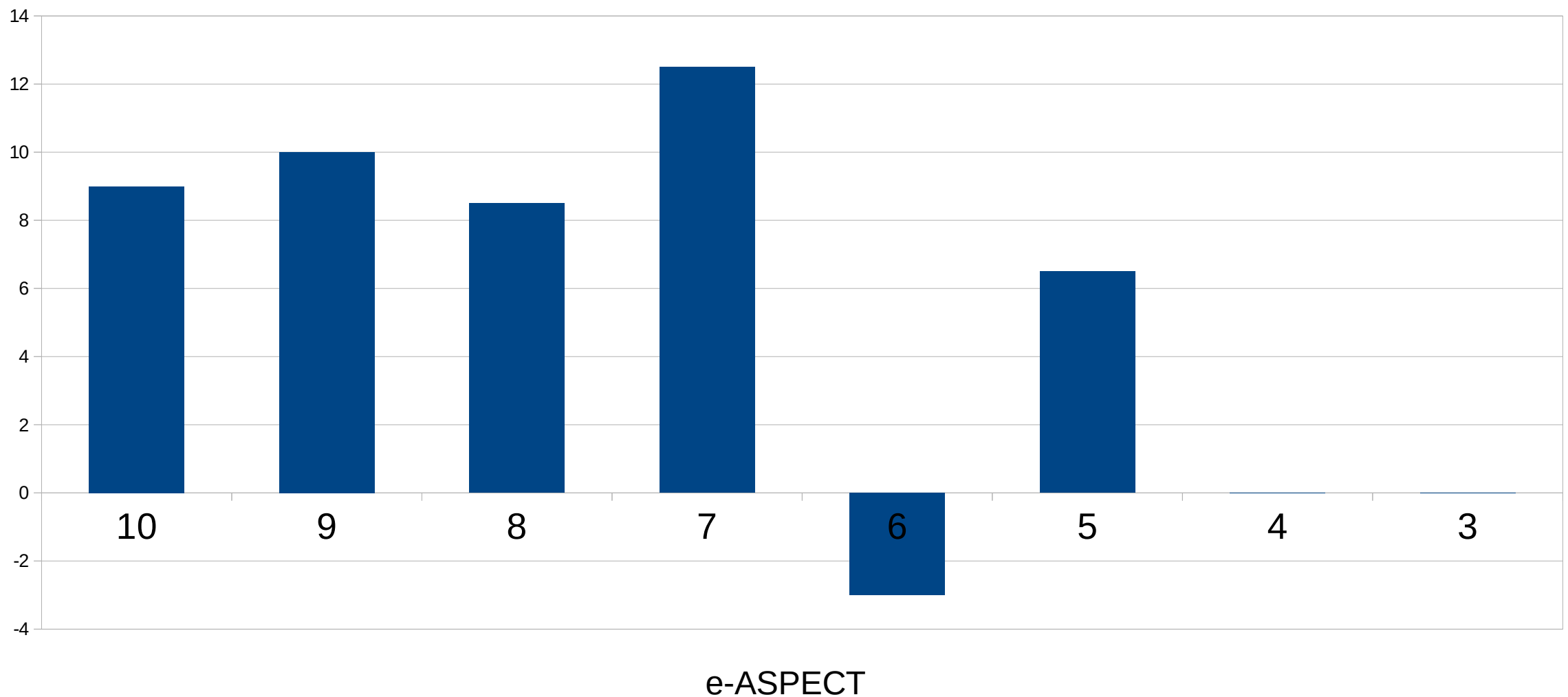


Deficit - dimise (NIHSS)

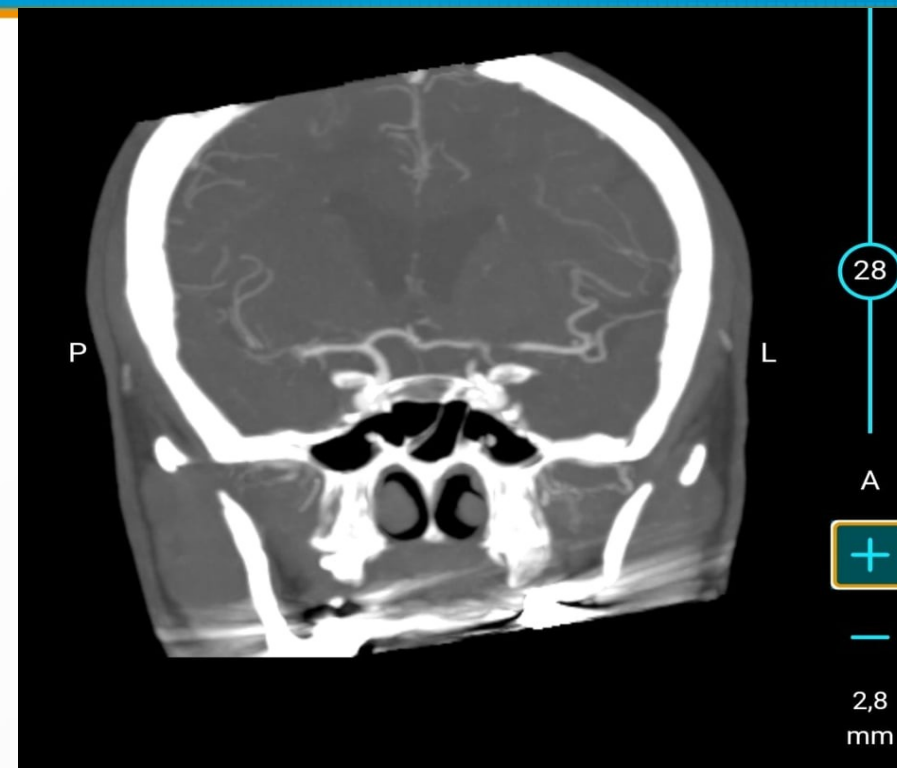
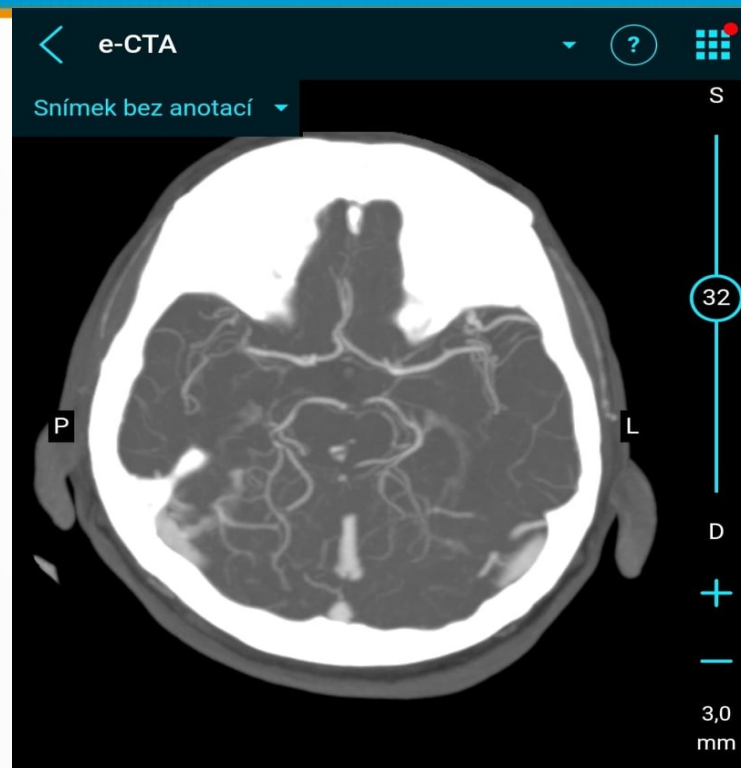


1. e-ASPECT

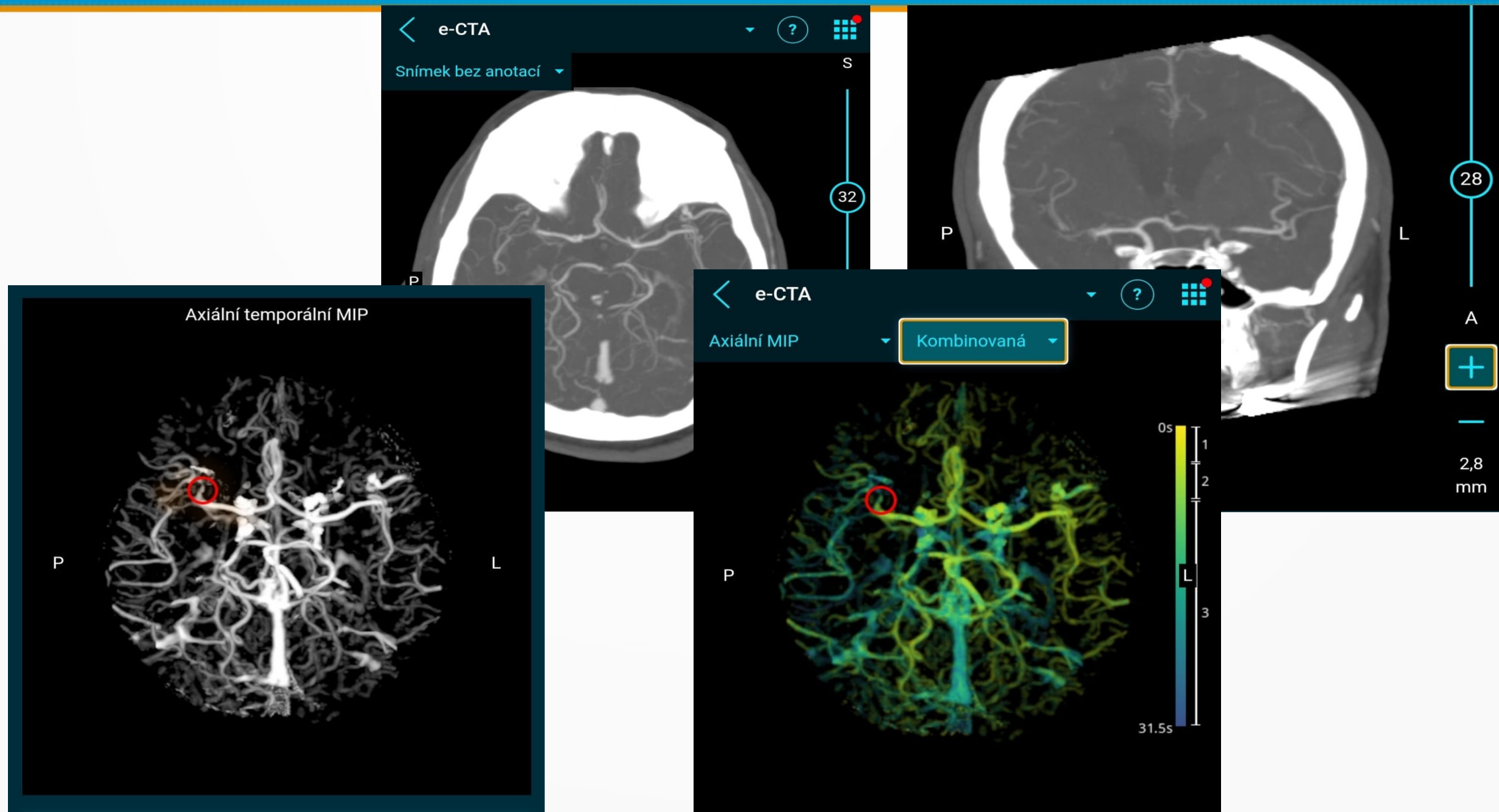
Relativní zlepšení deficitu (NIHSS)



2. e-CTA



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3. e-CTP

Perfuzní CT (CTP) funkční vyšetření mozkové tkáně

- sériová akvizice dat při průchodu KL
- parametrové mapy

- semikvantitativní

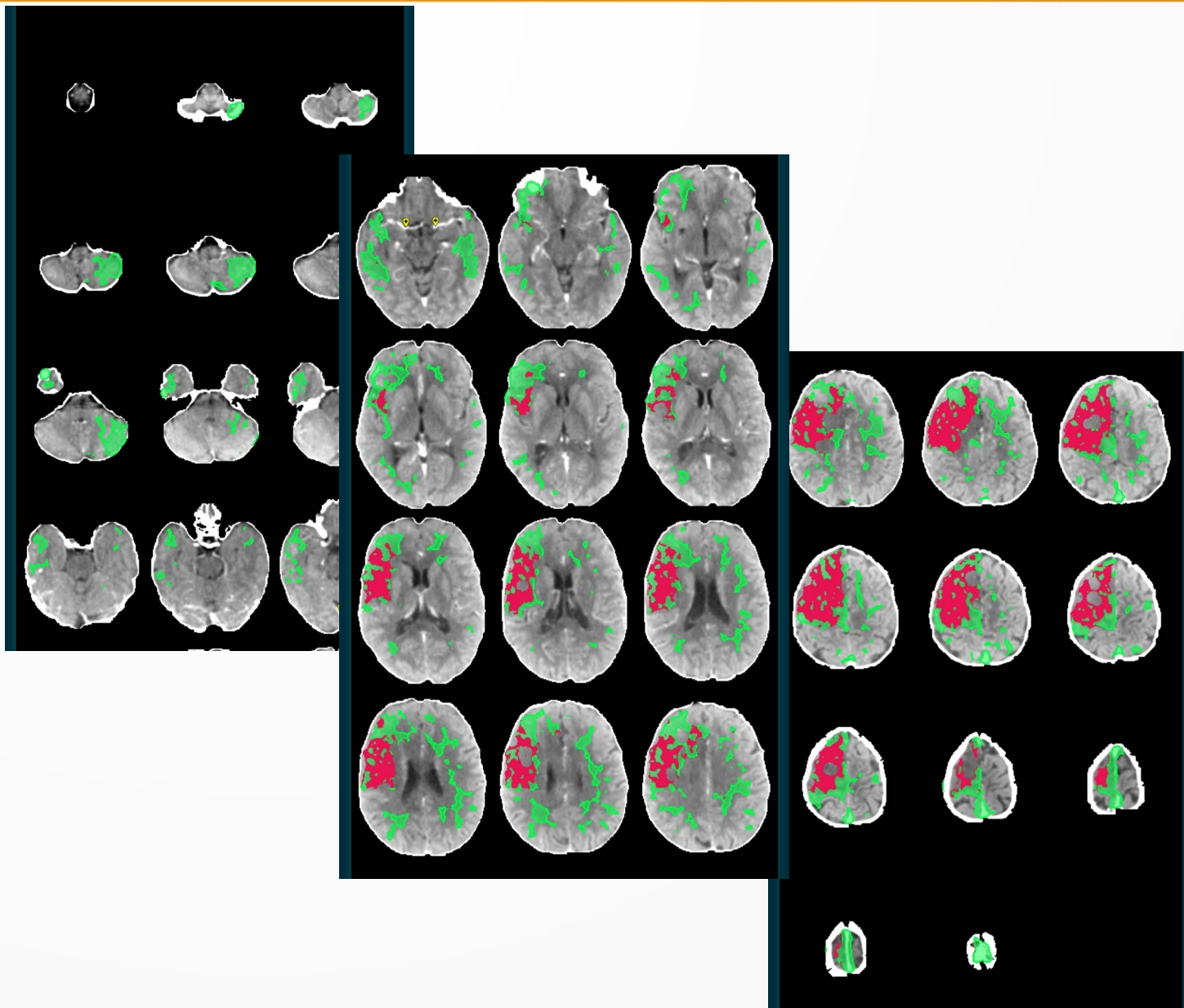
E-CTP

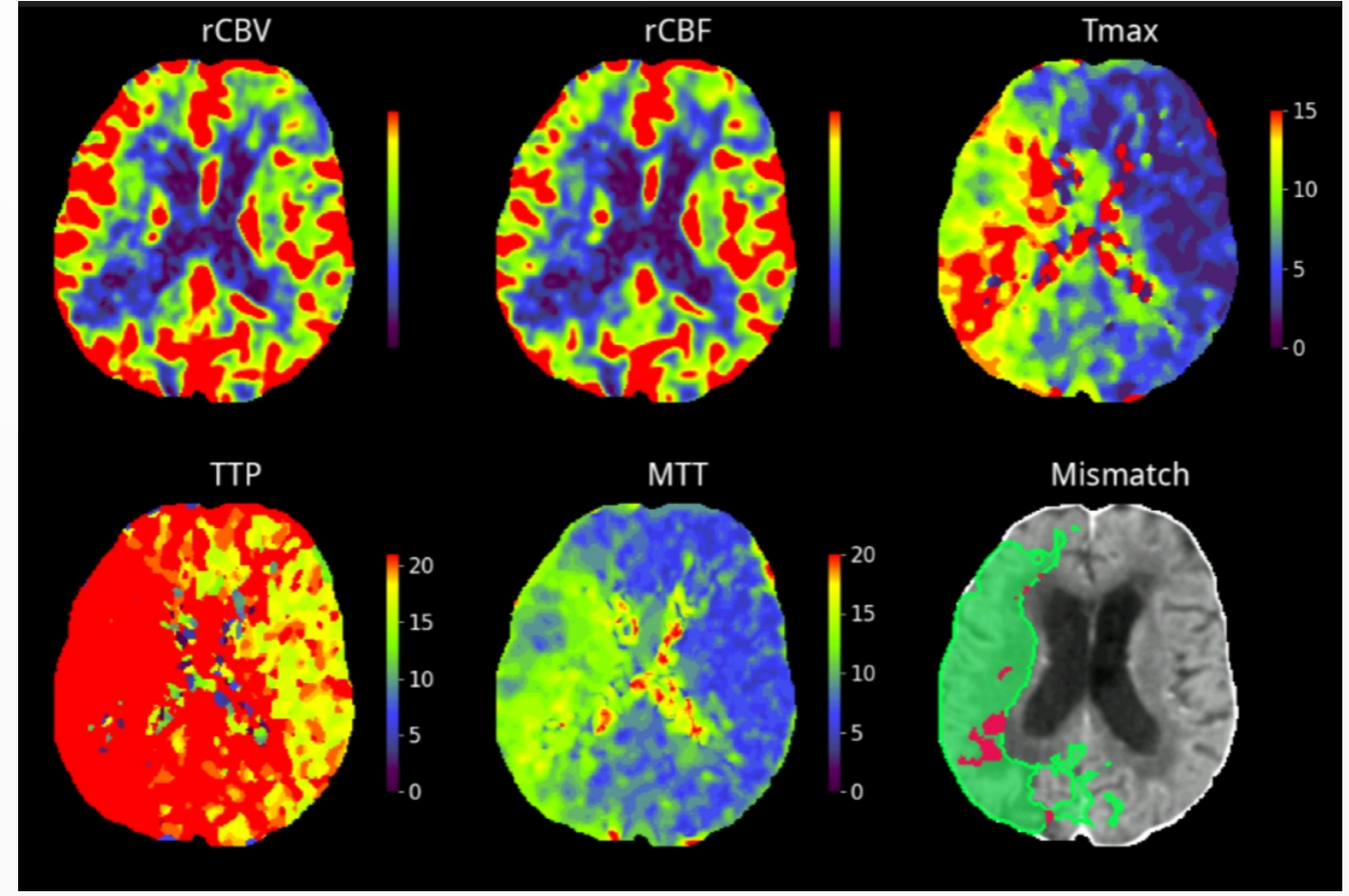
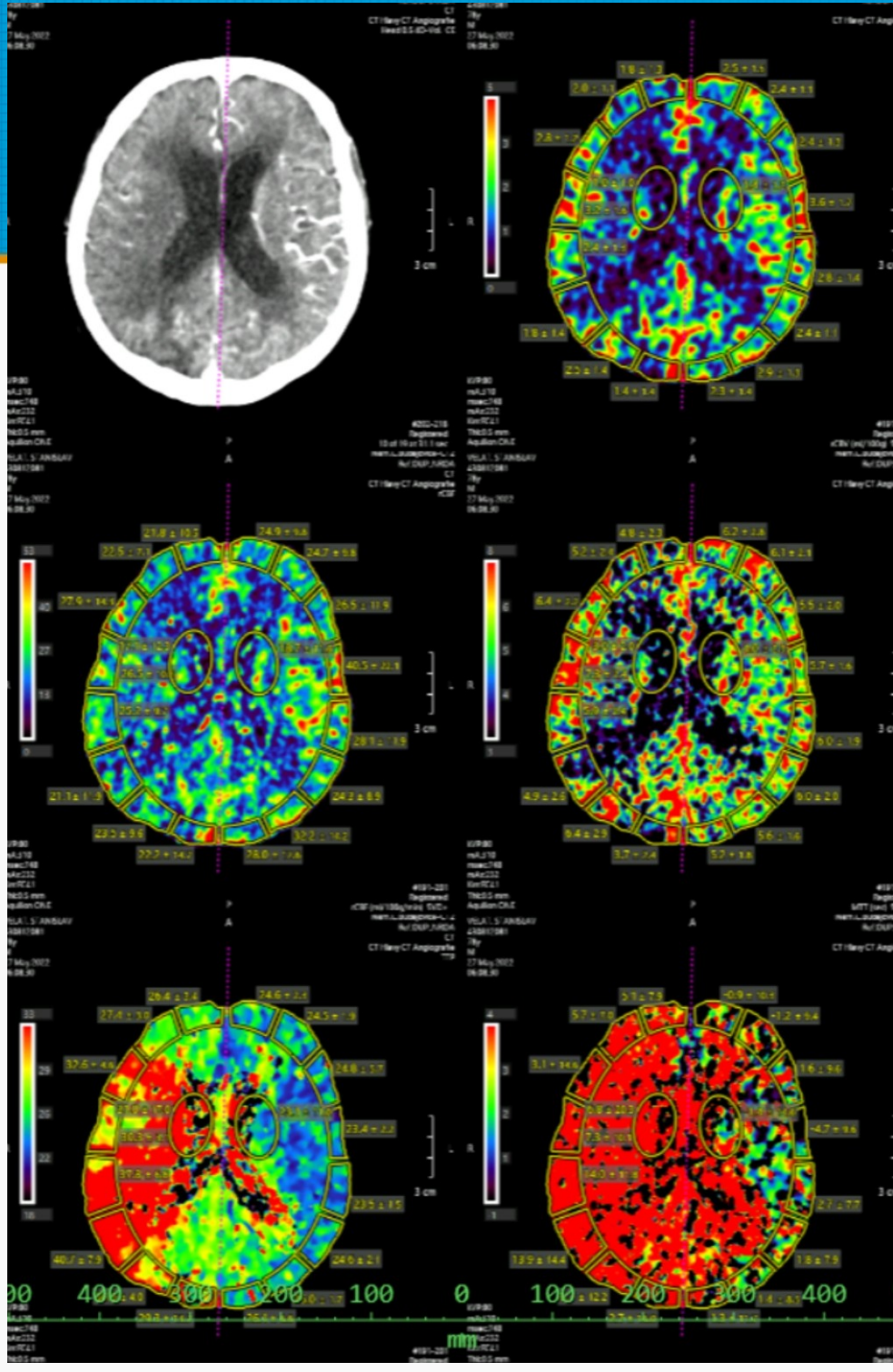
Prahové hodnoty

$T_{max} > 6\text{ s}$ (rozsah možné ischemie) - ml

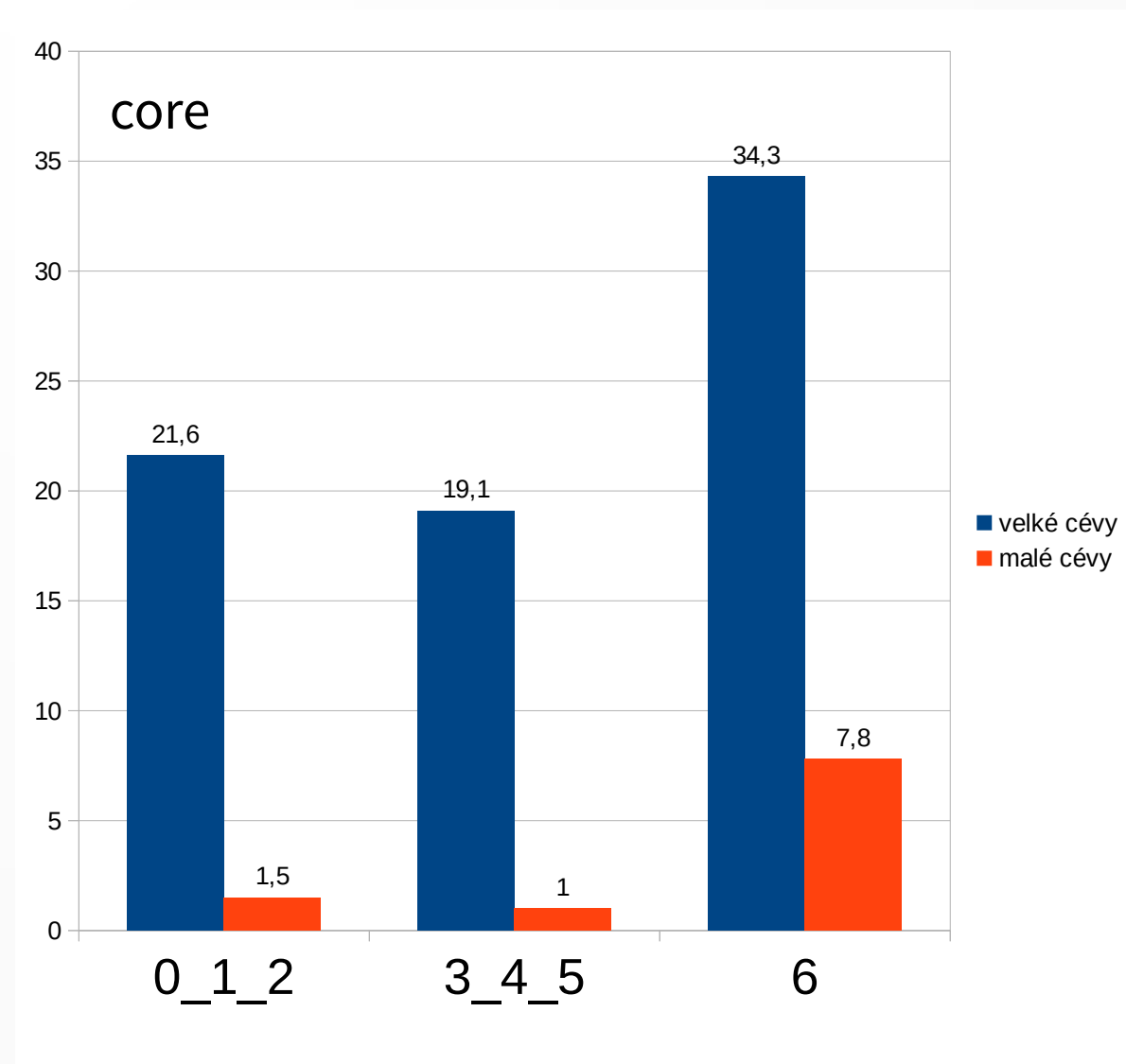
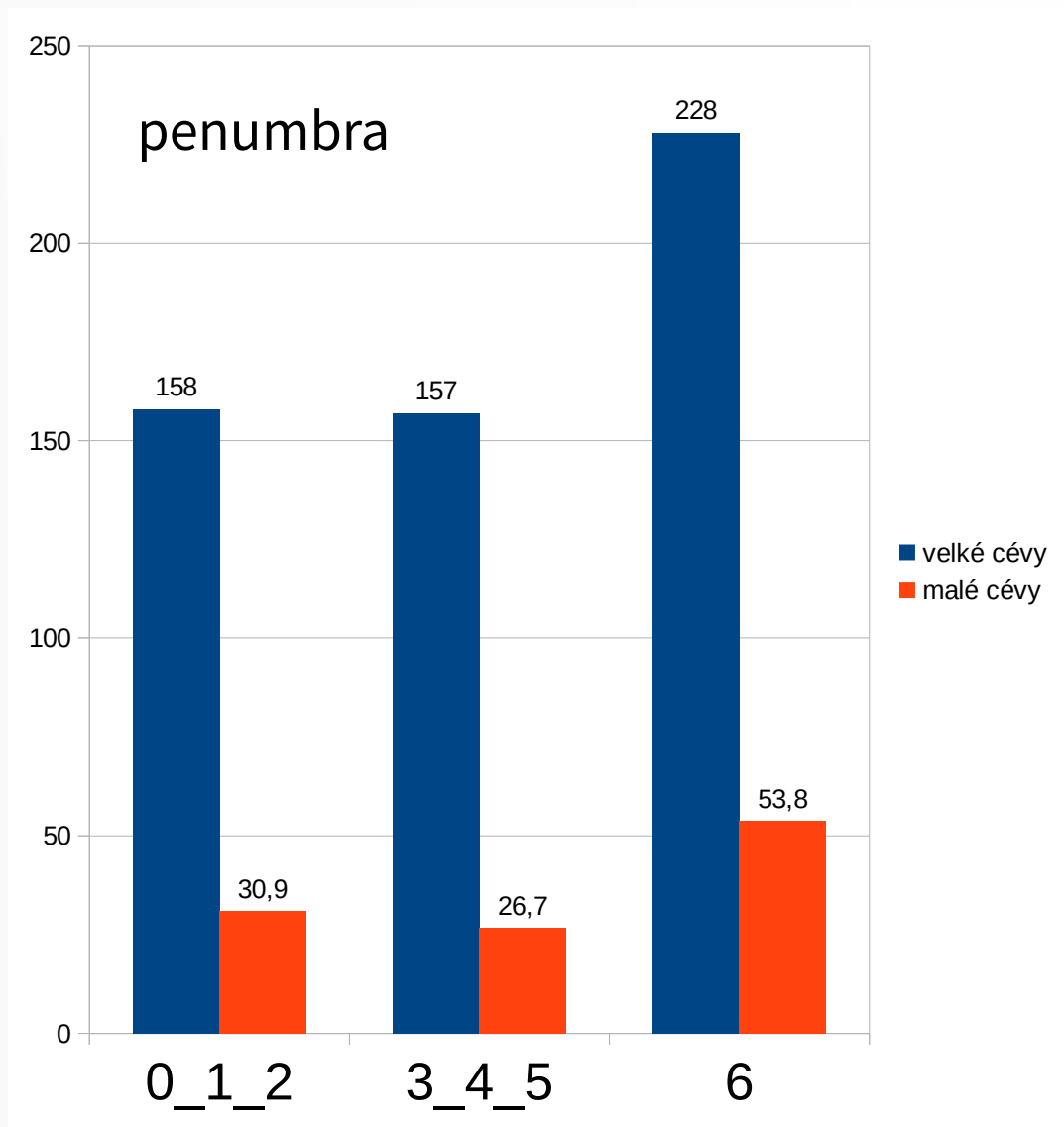
$RCBF < 30\%$ (jádro ischemie) - ml

Mismatch – vzájemné porovnání map - %

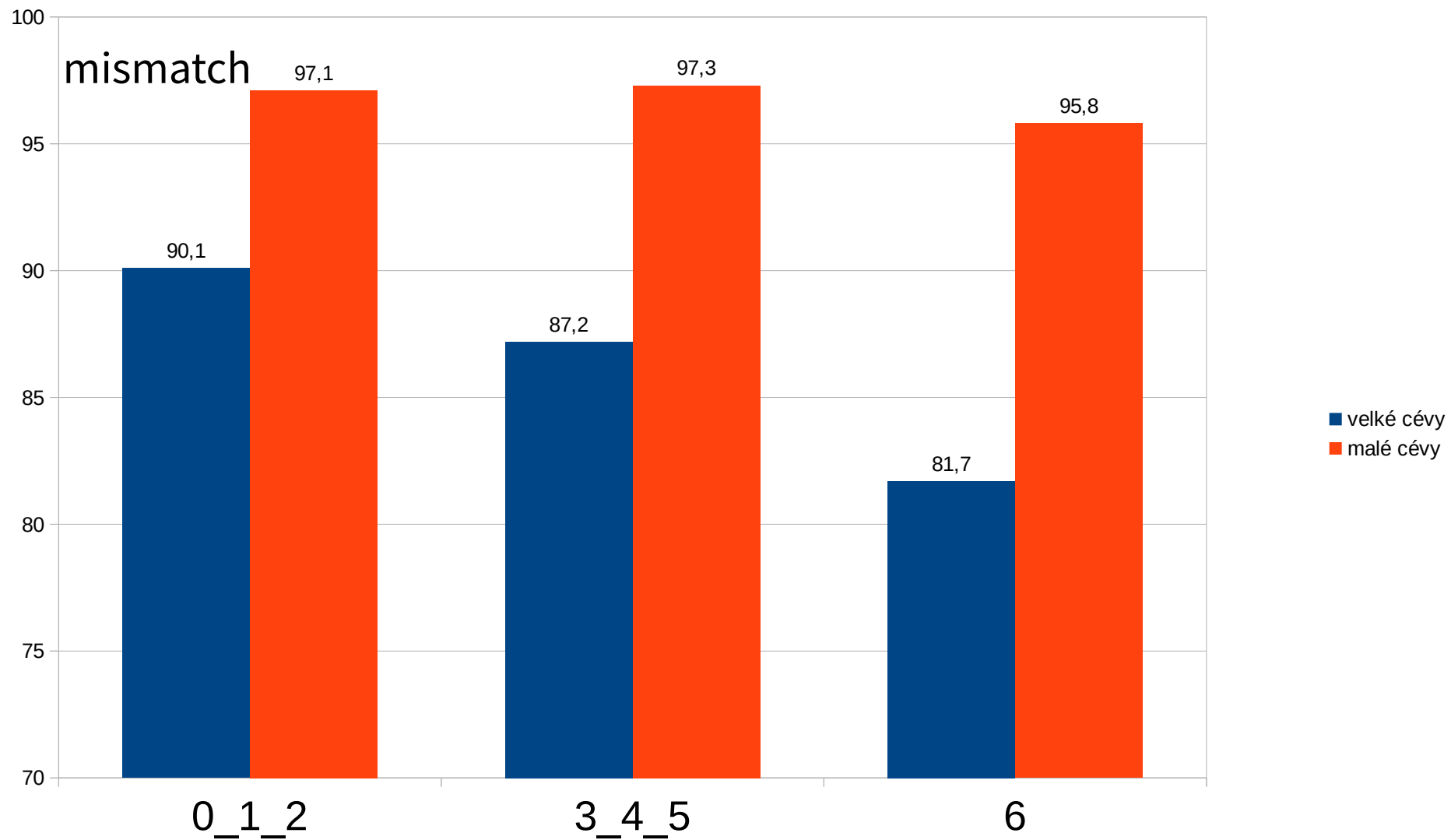




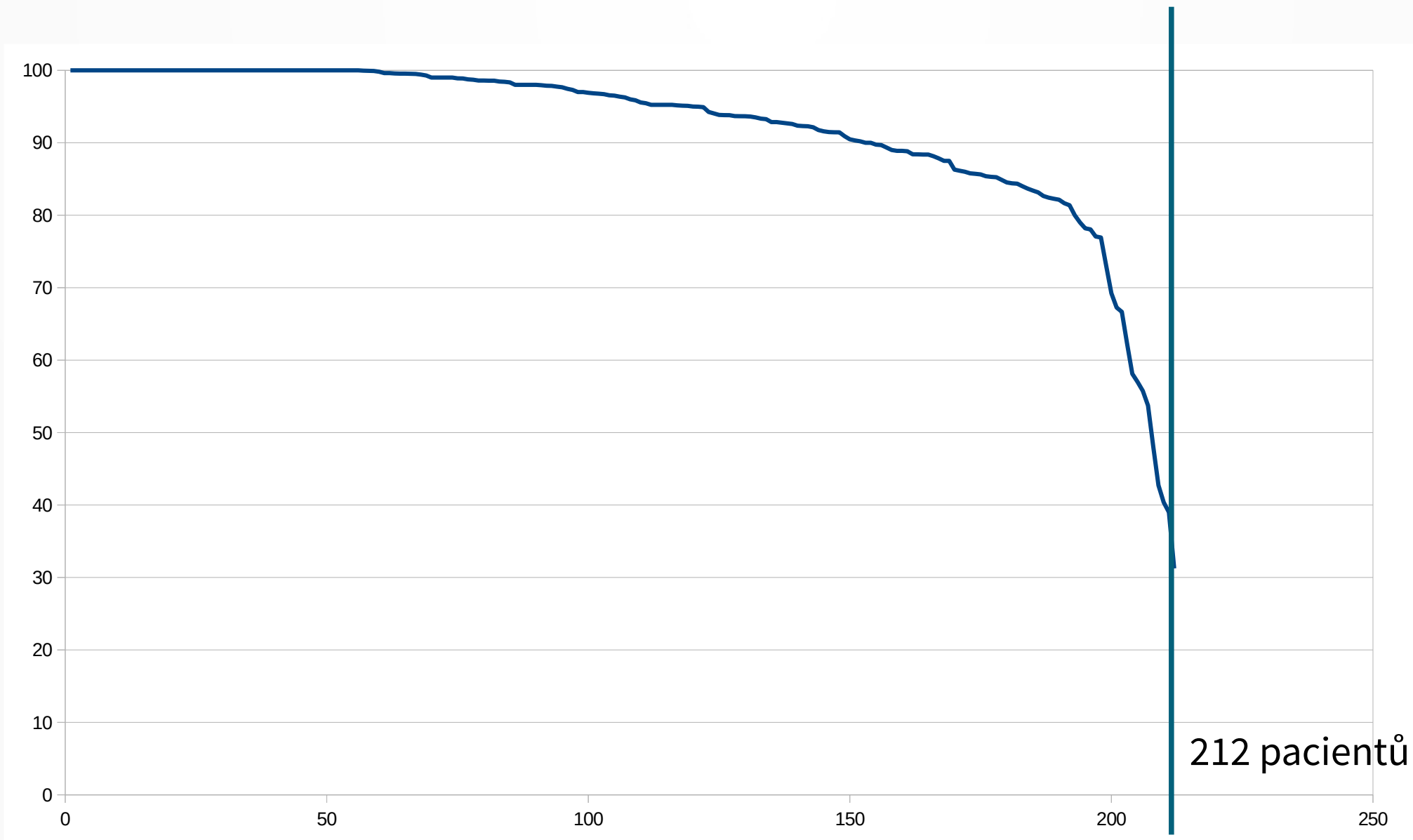
Predikce 3m mRS dle vstupního pCT



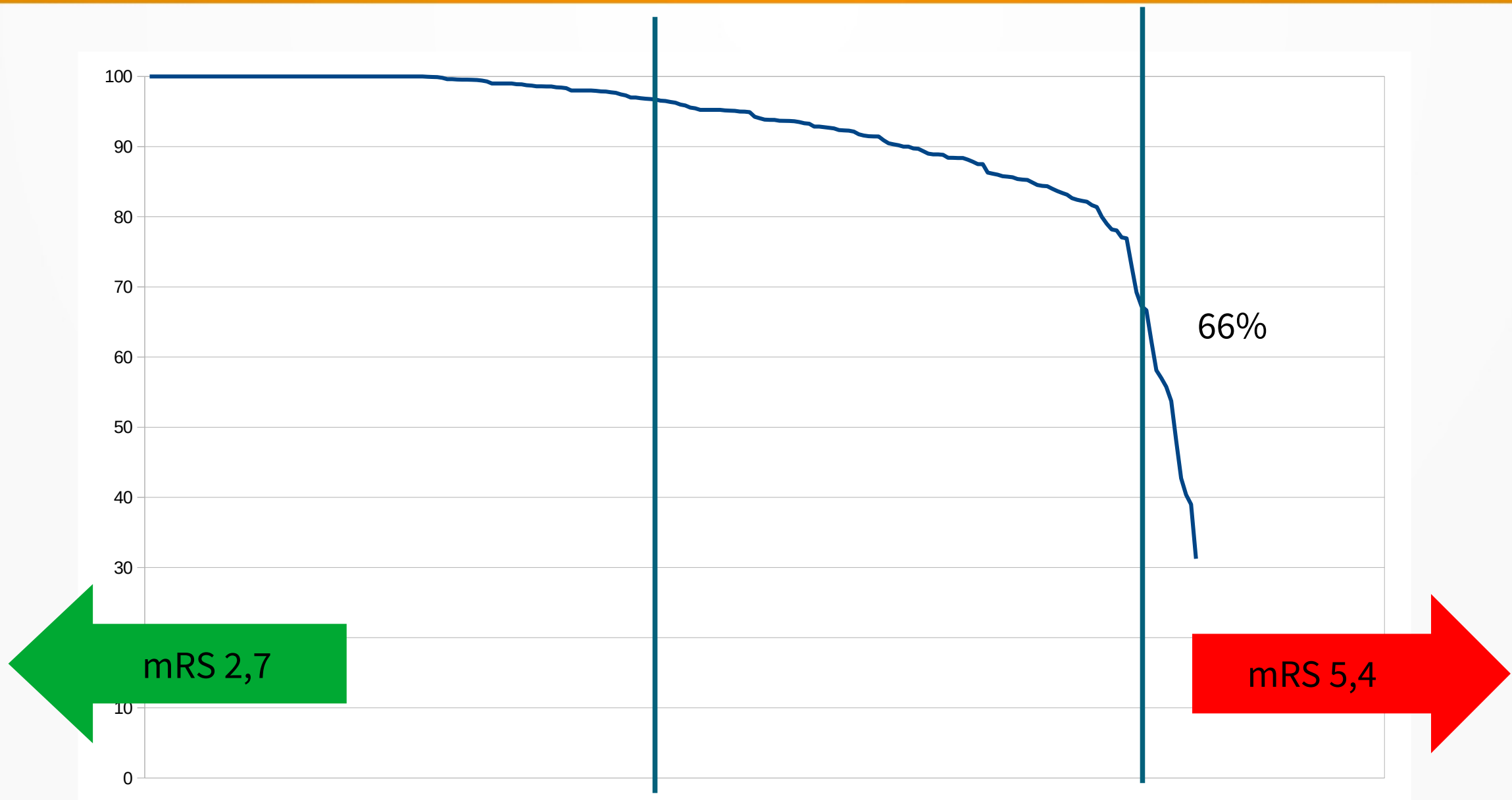
Predikce 3m mRS dle vstupního pCT



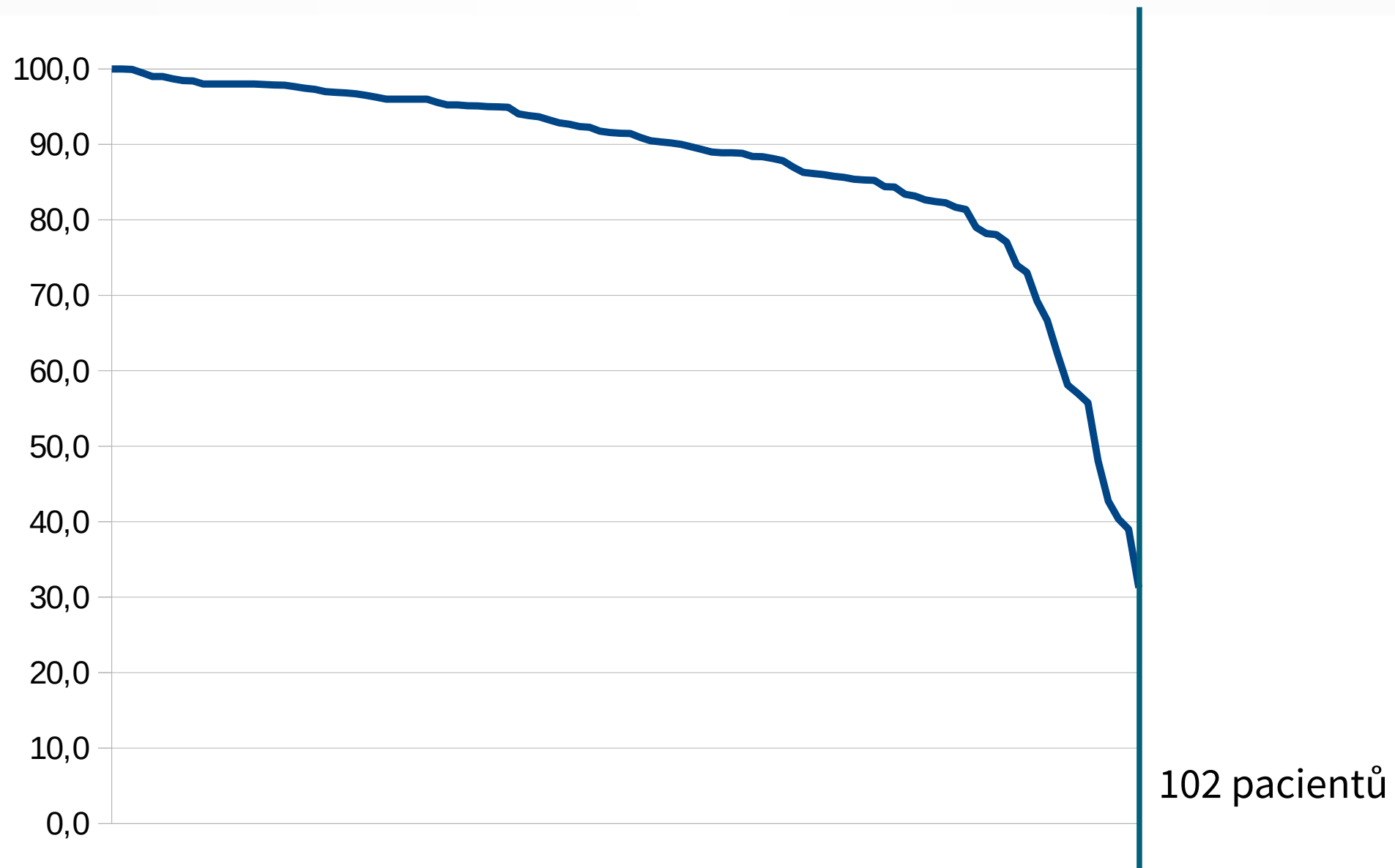
3. e-CTP (malé cévy)



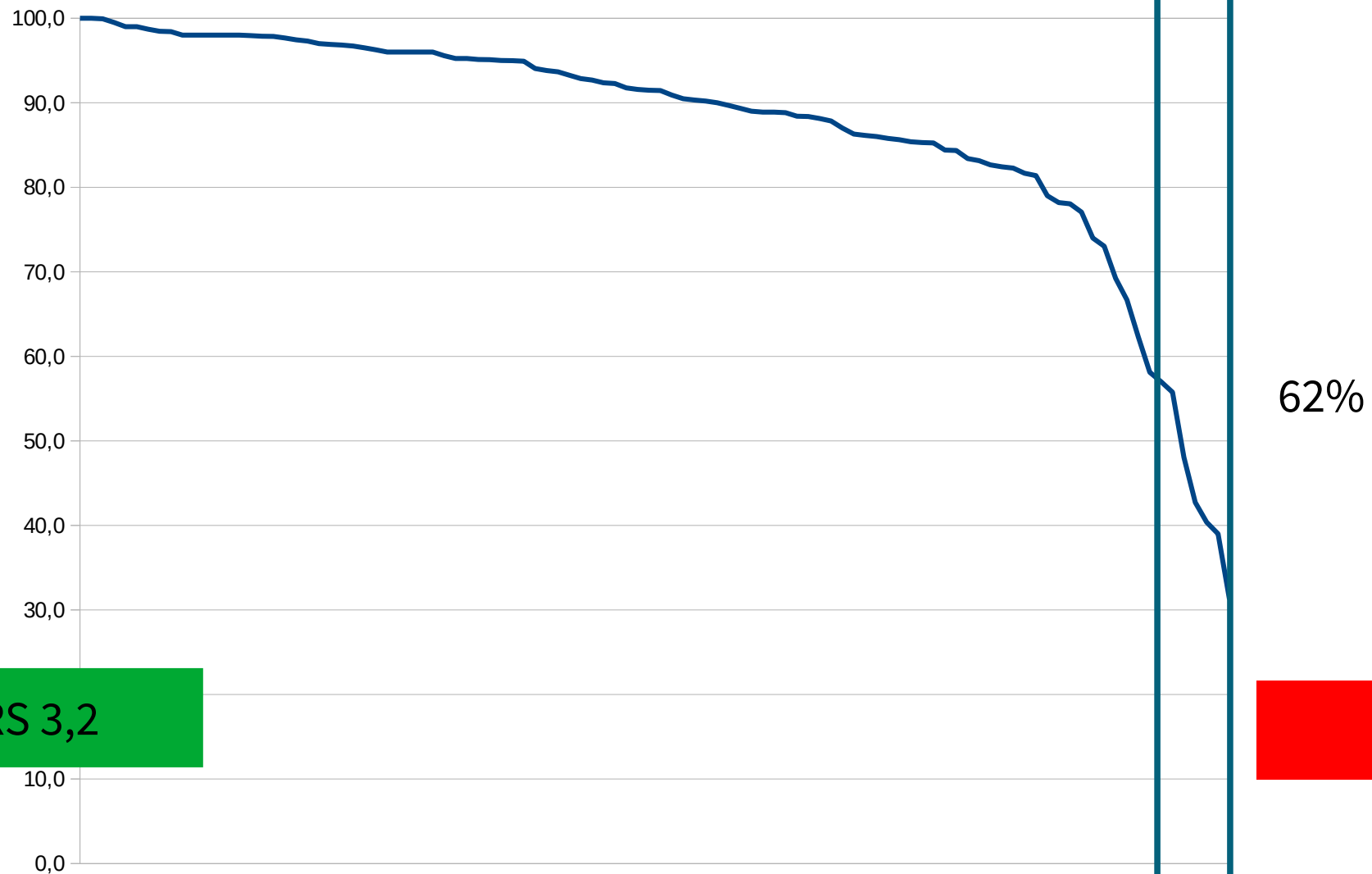
3. e-CTP (malé cévy)



3. e-CTP (velké cévy)



3. e-CTP (velké cévy)



mRS 3,2

mRS 5,3

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