

It is ***impossible*** to prove you used the ideal technique if your only gauge is the finished image contrast and brightness.

- Because of **Automatic Rescaling**, our eyes can only see mottle and burn, **but can't tell** what is the perfect technique.
- Here is visual proof why the EI numbers are essential.

Fuji 85 kV @ 4 mAs - S# 357

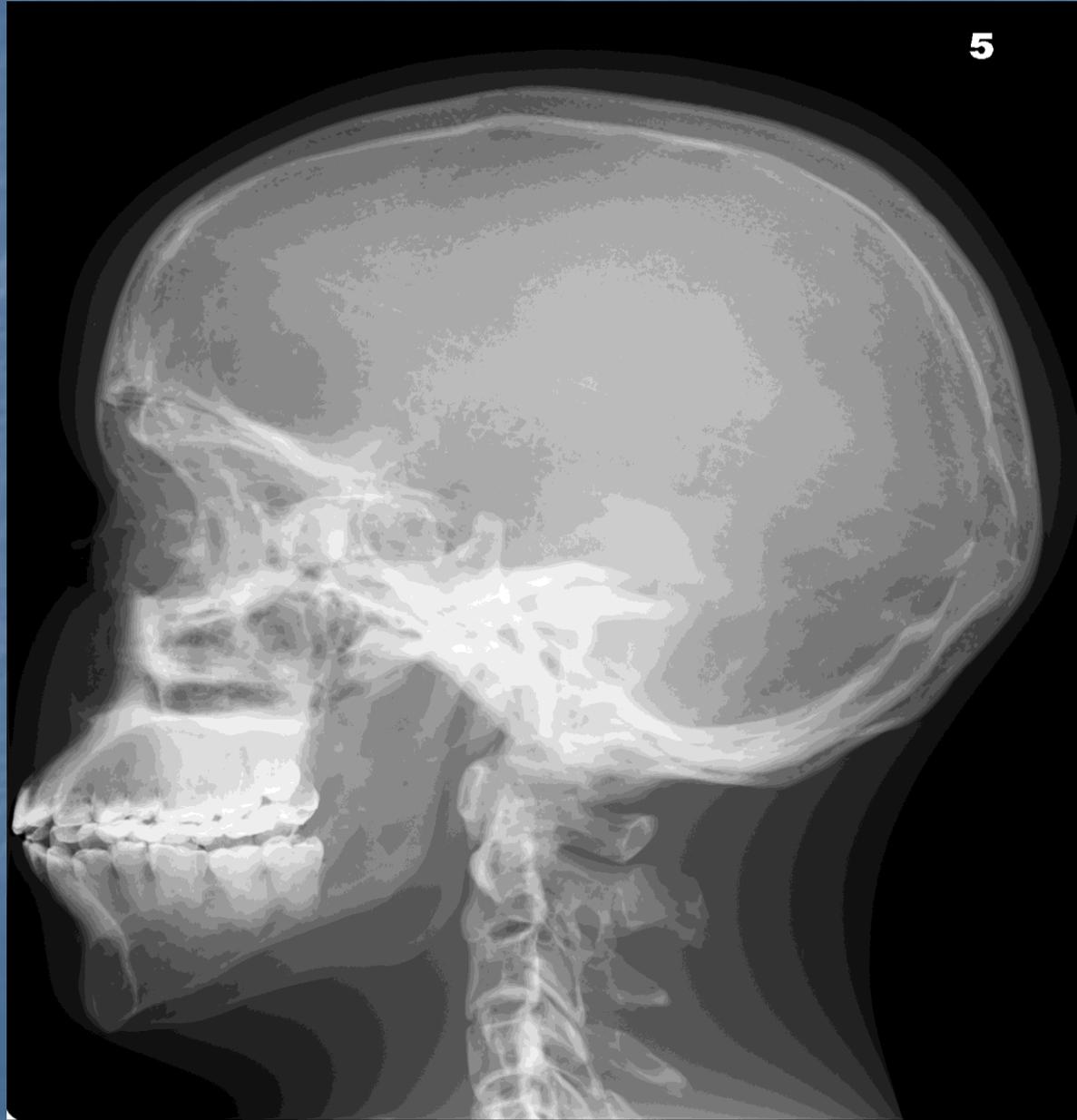


85 kV @ 8 mAs - S# 171

3



85 kV @ 32 mAs - S# 38

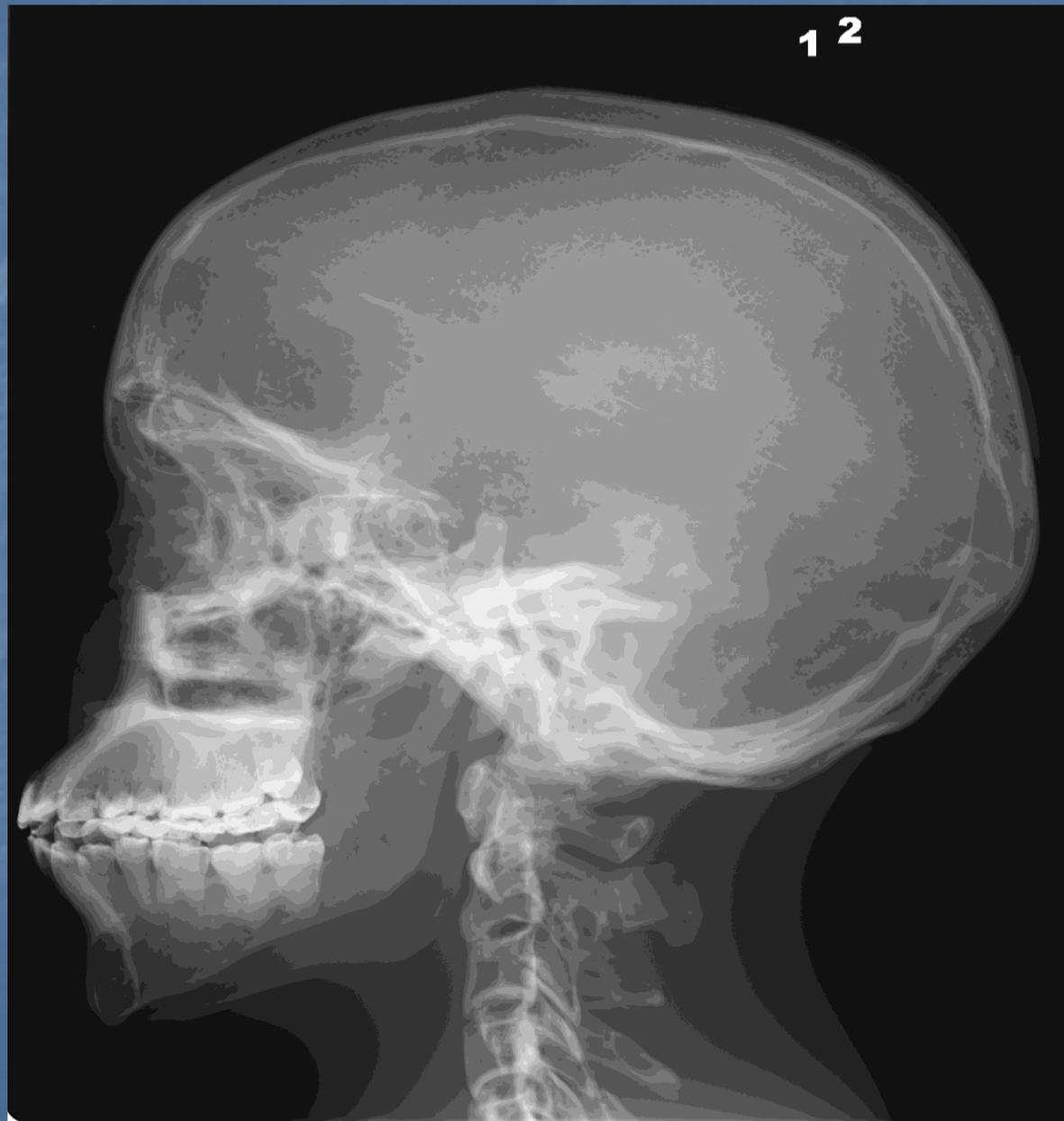


5

85 kV @ 200 mAs - S# 6



85 kV @ 400 mAs - S# 3



Konica (CR)

80 kV @ 5 mAs

S # 353



Konica

80 kV @ 40 mAs

S # 36



Konica

80 kV @ 80 mAs

S # 8



Konica

80 kV @ 160 mAs

S # 8



Konica

80 kV @ 320 mAs

S # 4



Konica

80 kV @ 640 mAs

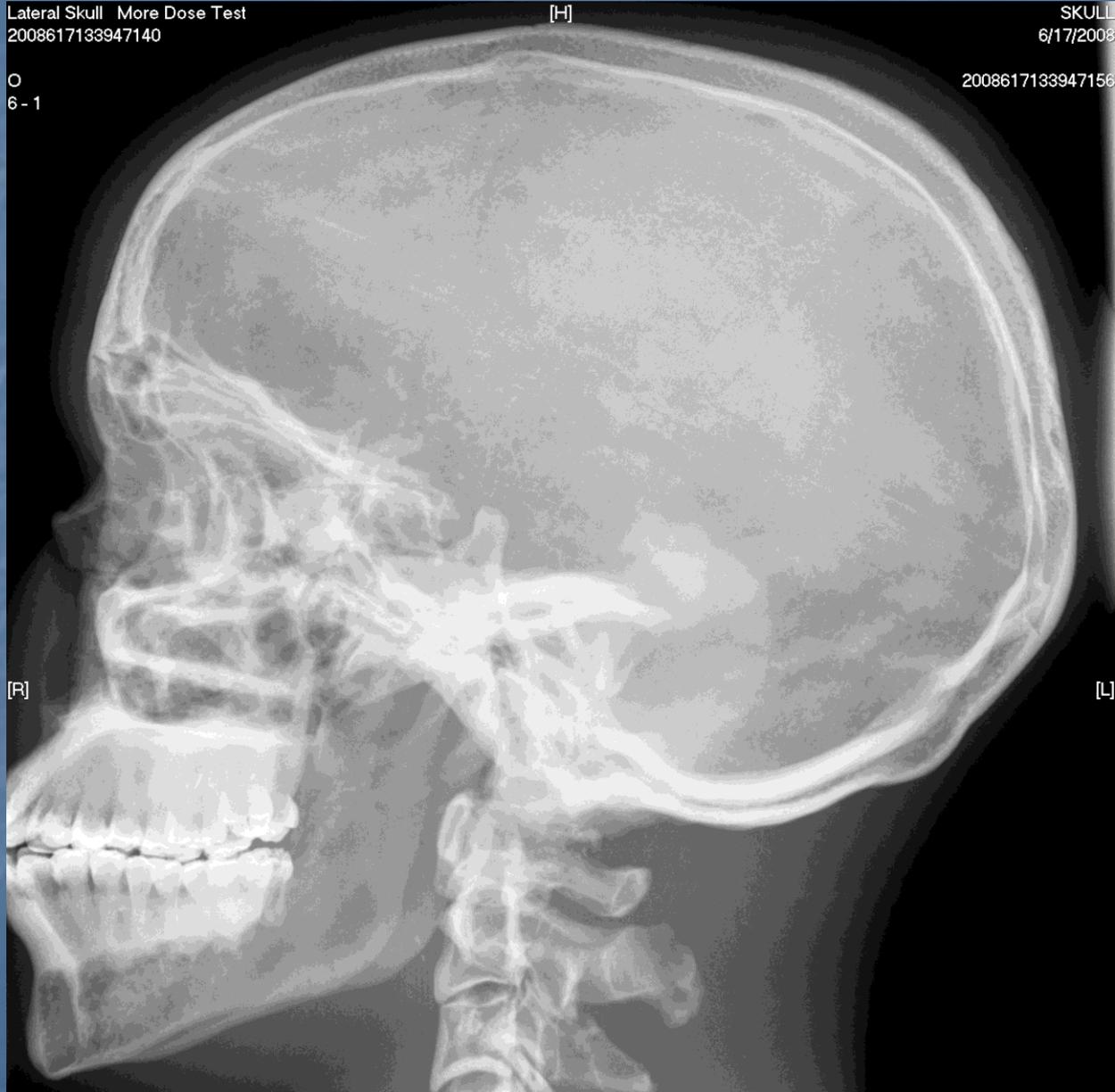
S # 2



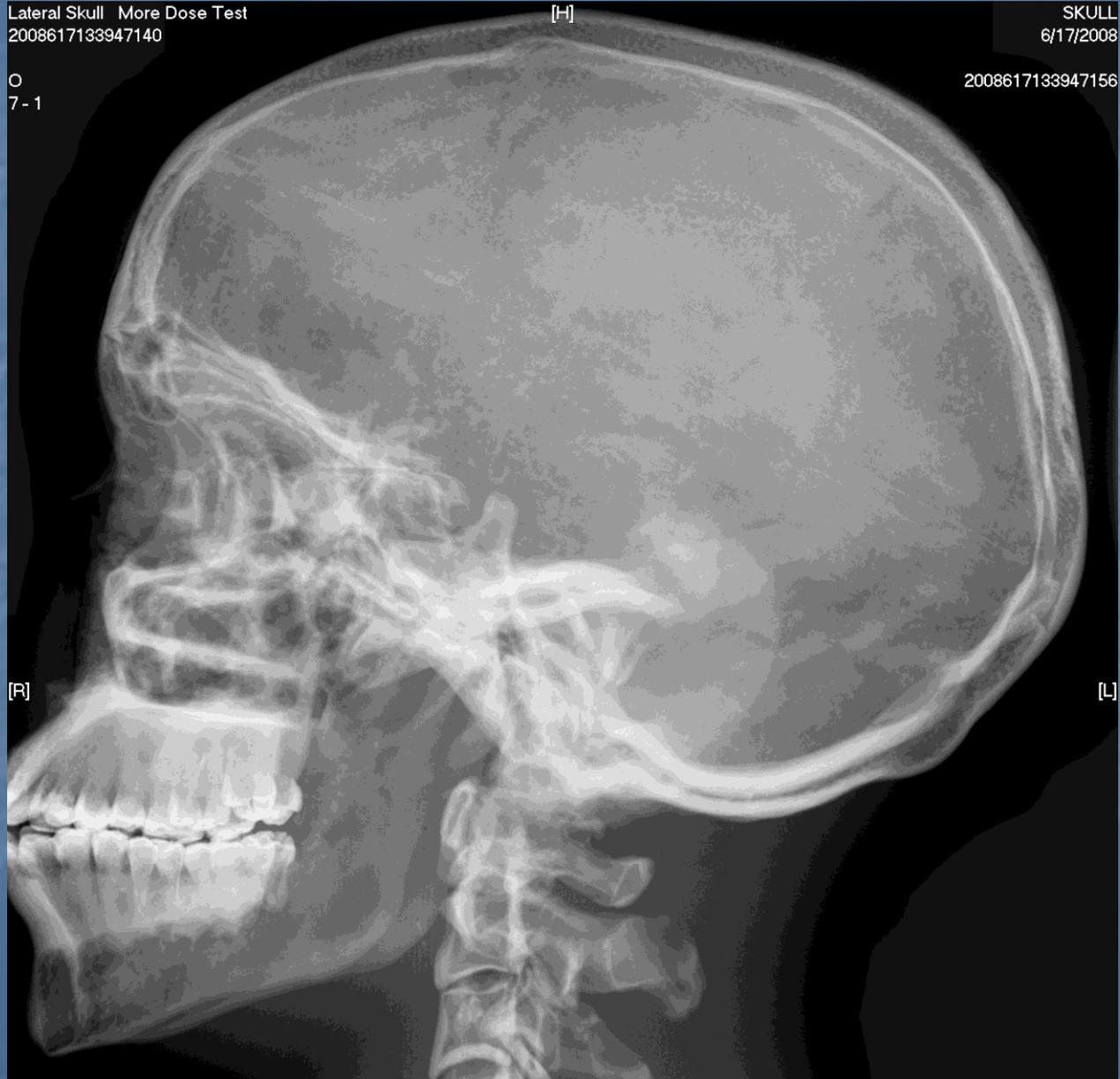
Agfa (CR) 85 kV @ 4 mAs LgM 2.11



85 kV @ 8 mAs LgM 2.40



85 kV @ 16 mAs LgM 2.70



85 kV @ 32 mAs LgM 2.96

Lateral Skull More Dose Test
2008617133947140

[H]

SKULL
6/17/2008

O
8-1

2008617133947156



[R]

[L]

85 kV @ 40 mAs LgM 2.99



GE built in detector (DR)
85 kV @ 2 mAs DEI .96



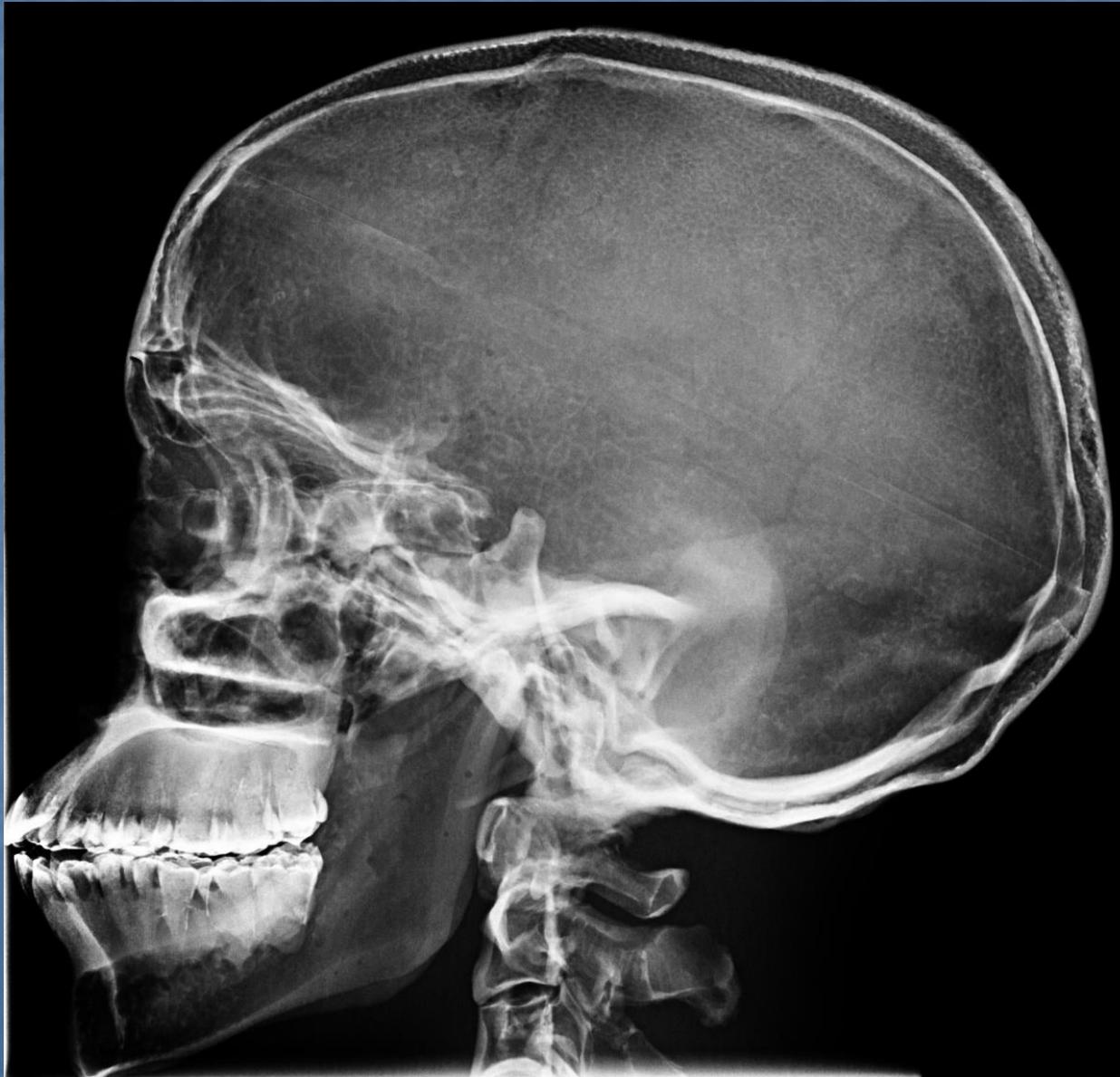
85 kV @ 4 mAs

DEI 1.97



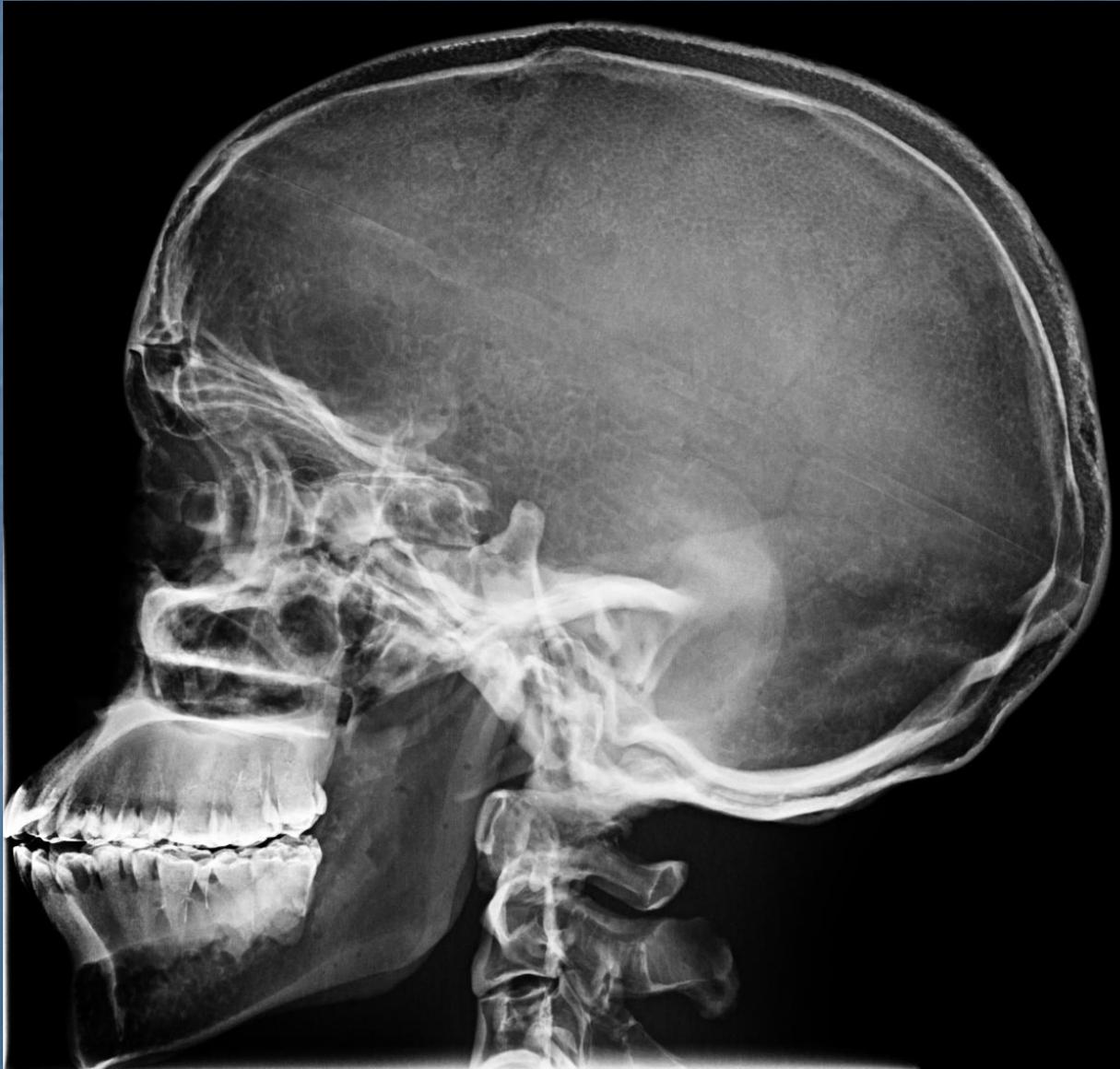
85 kV @ 8 mAs

DEI 4.0



85 kV @ 16 mAs

DEI 7.72



85 kV @ 32 mAs

DEI 14.67



85 kV @ 64 mAs DEI 27.41



Carestream Portable Detector (DR)

85 kV @ 2 mAs

EI 1385



85 kV @ 4 mAs

EI 1682



85 kV @ 8 mAs

EI 1966



85 kV @ 16 mAs

EI 2257



85 kV @ 32 mAs

EI 2517



85 kV @ 45 mAs

EI 2405



How much can you overexpose for CR and DR?

- For all CR (except Agfa) you can use a minimum of 50 times, and probably closer to 100 times, too much mAs and have a perfectly diagnostic/passable image.
- For most DR (and Agfa) you can use about 10-15 times too much mAs.