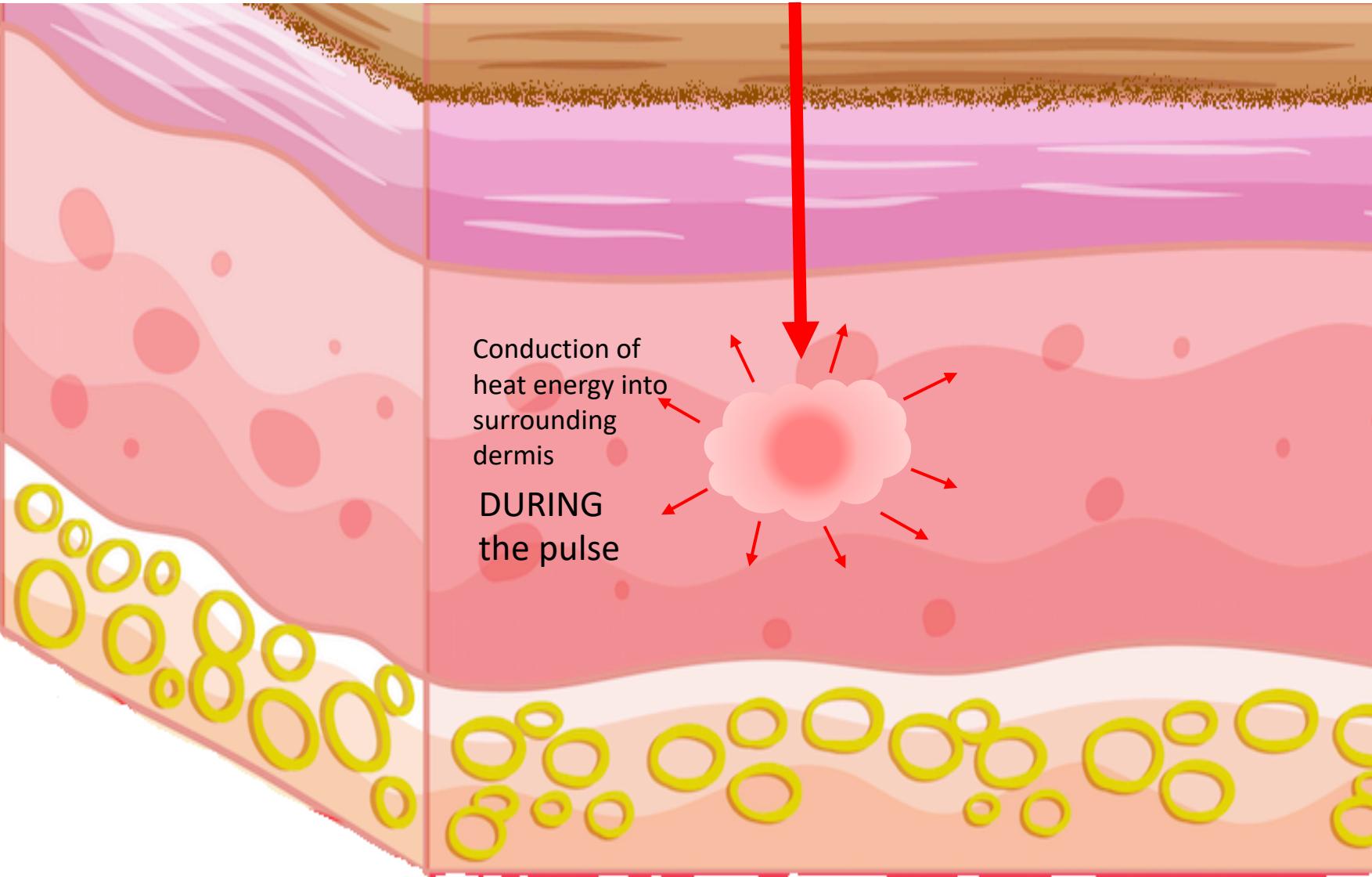


THE LASER-IPL GUYS

Temperature Rise in
Skin Targets
following Laser-IPL
Pulses



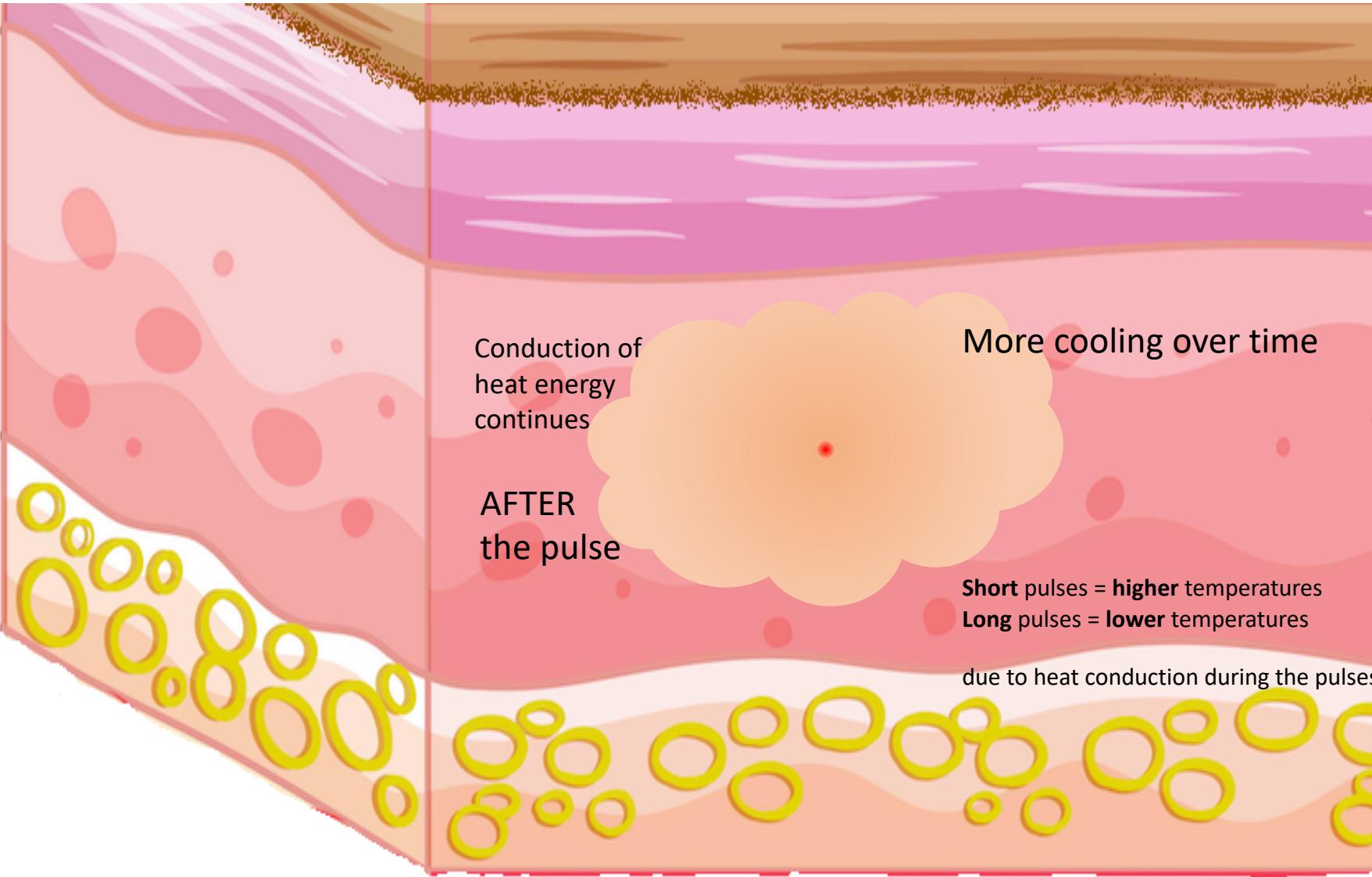
Temperature increase in the target



Not to scale

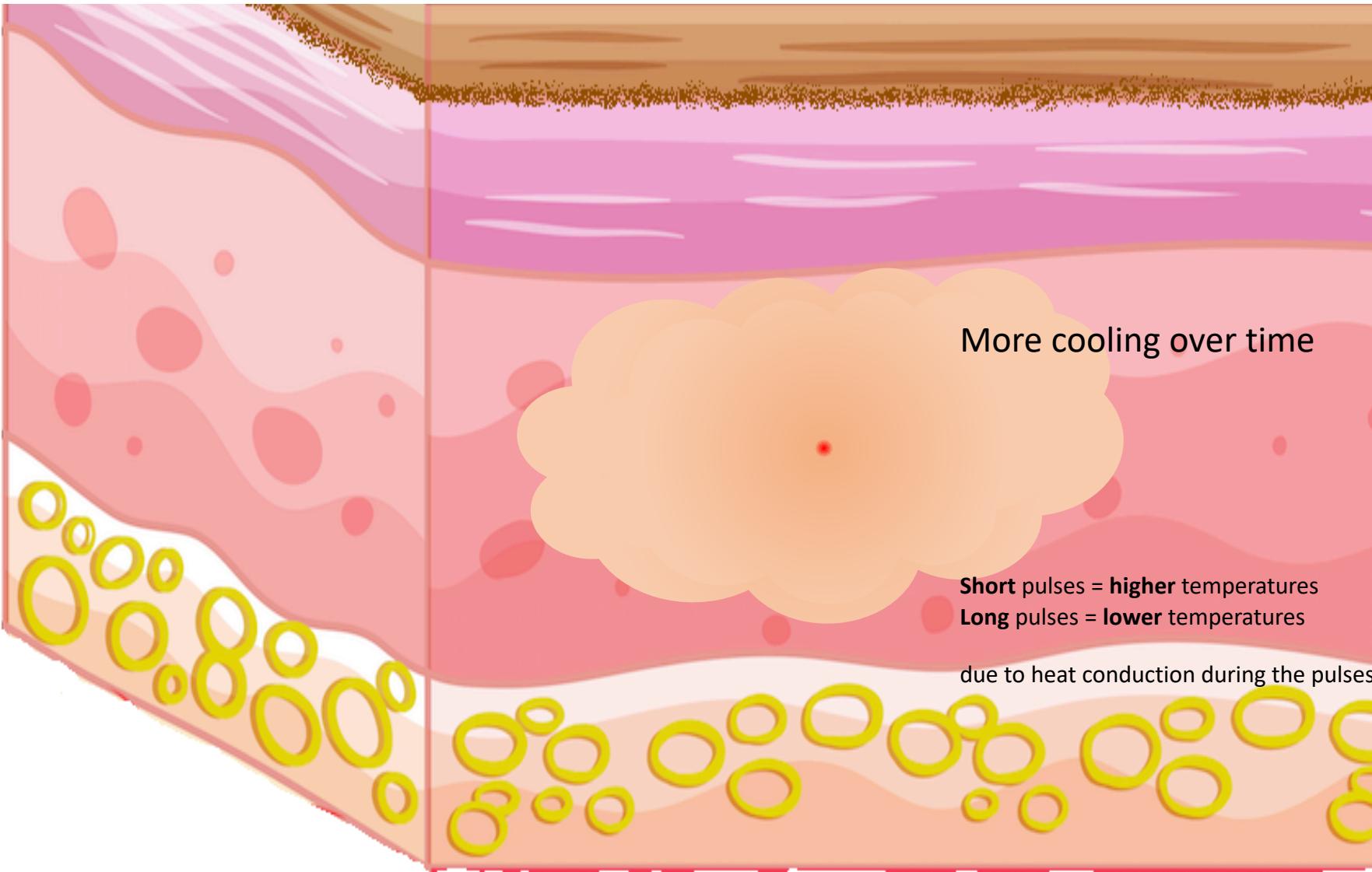


Temperature increase in the target



Temperature increase in the target

Temperature increase depends on:



energy absorbed
mass of target
density
specific heat
pulsewidth
delay between
sub-pulses

Tissue denaturation
depends on :

temperature
AND
time

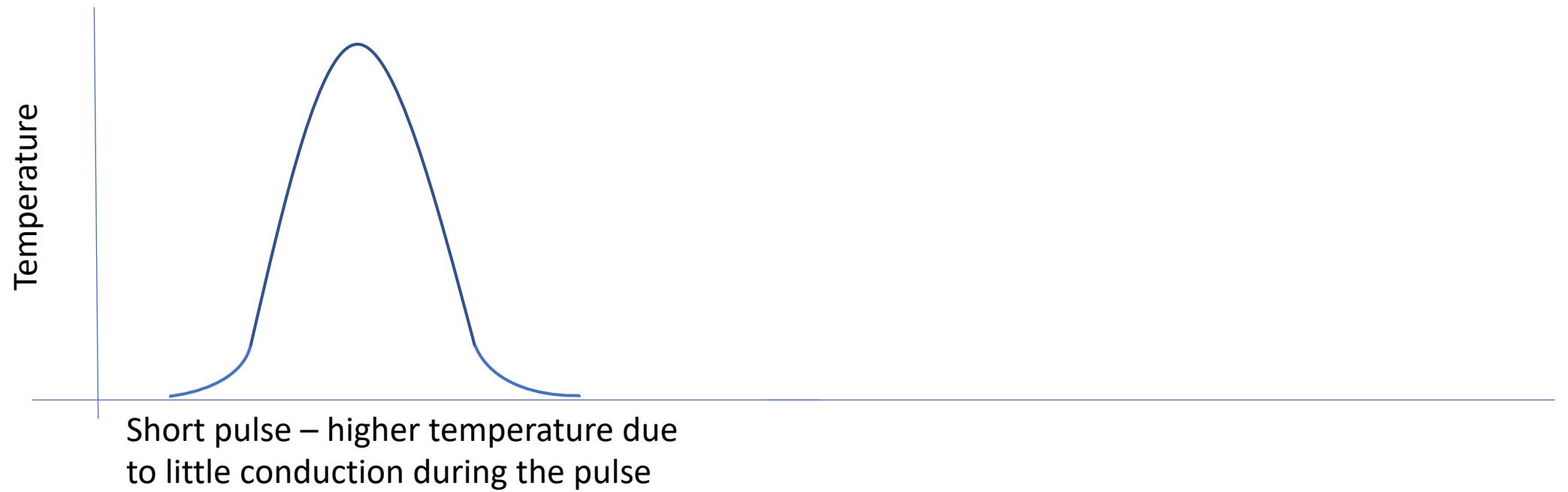




Heat conduction during a laser/IPL pulse

Target tissue
temperature
profile

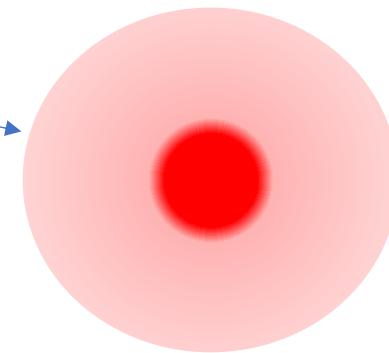
Short pulse



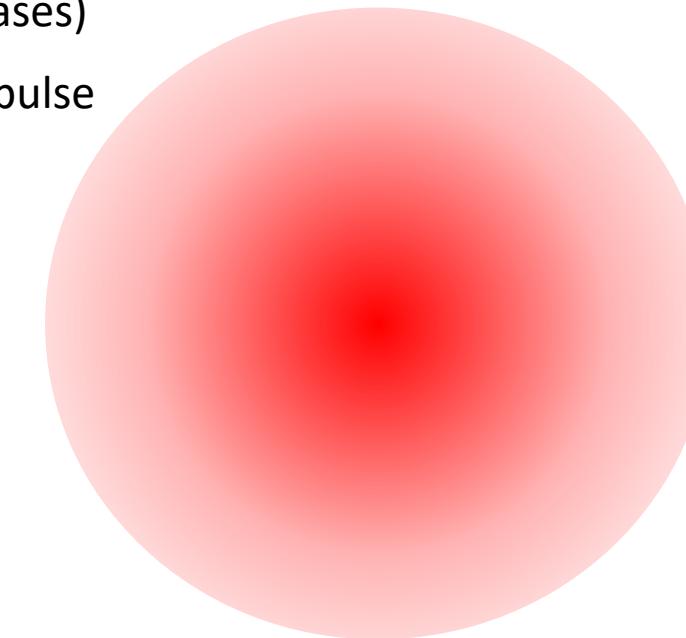
Heat conduction during a laser/IPL pulse (same energy in both cases)

Target tissue
temperature
profile

Short pulse



Longer pulse

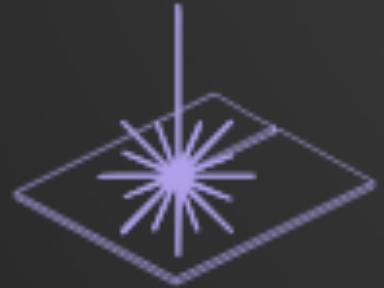


Temperature

Short pulse – higher temperature due
to little conduction during the pulse

Longer pulse – lower temperature due
to more conduction during the pulse





THE LASER-IPL GUYS

Thanks for listening

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