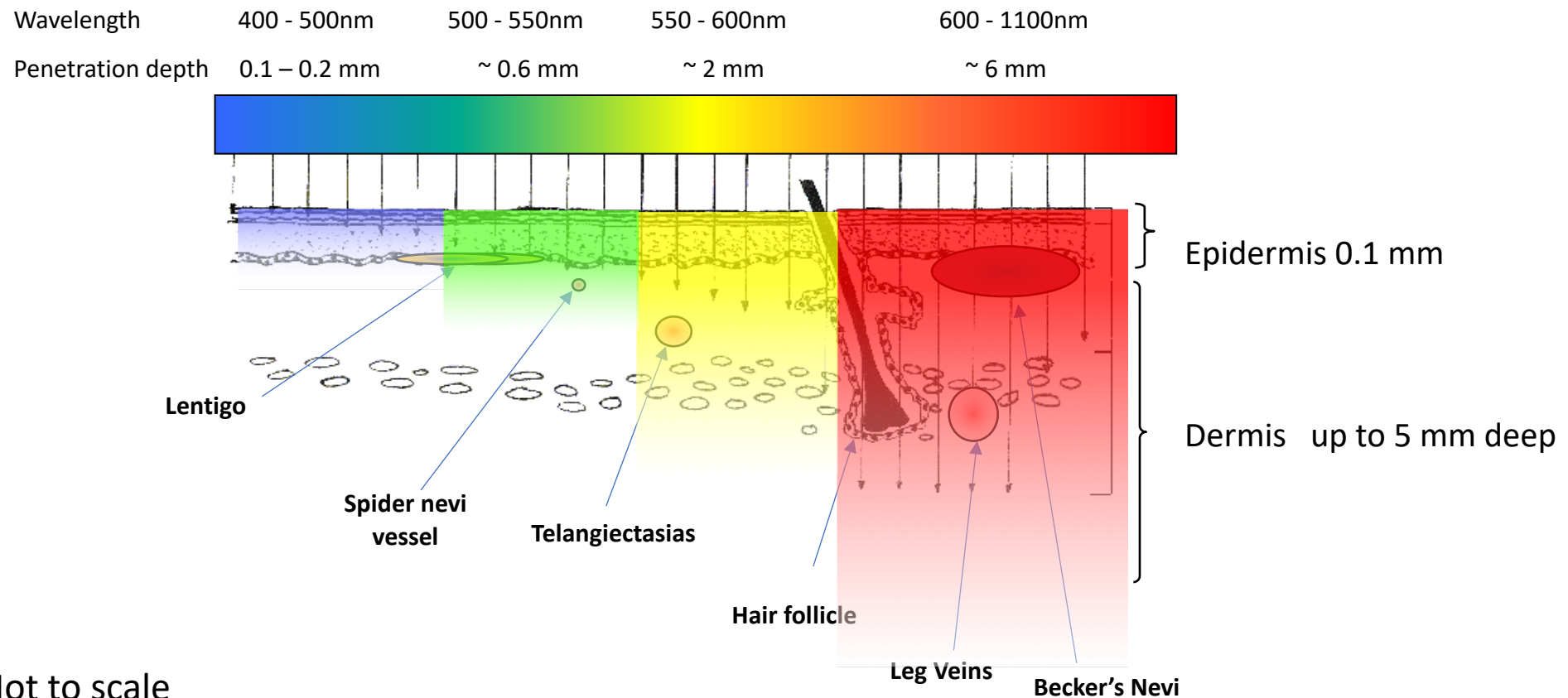




Light Penetration
into the Skin and
Absorption – How
are they Related?



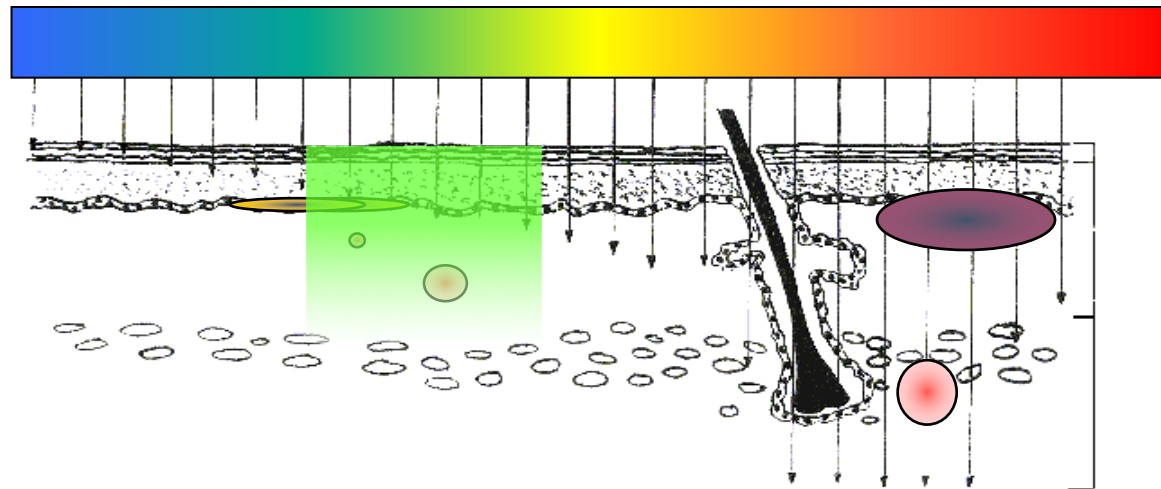
Light Penetration in Skin and Absorption – How are they related?



Not to scale



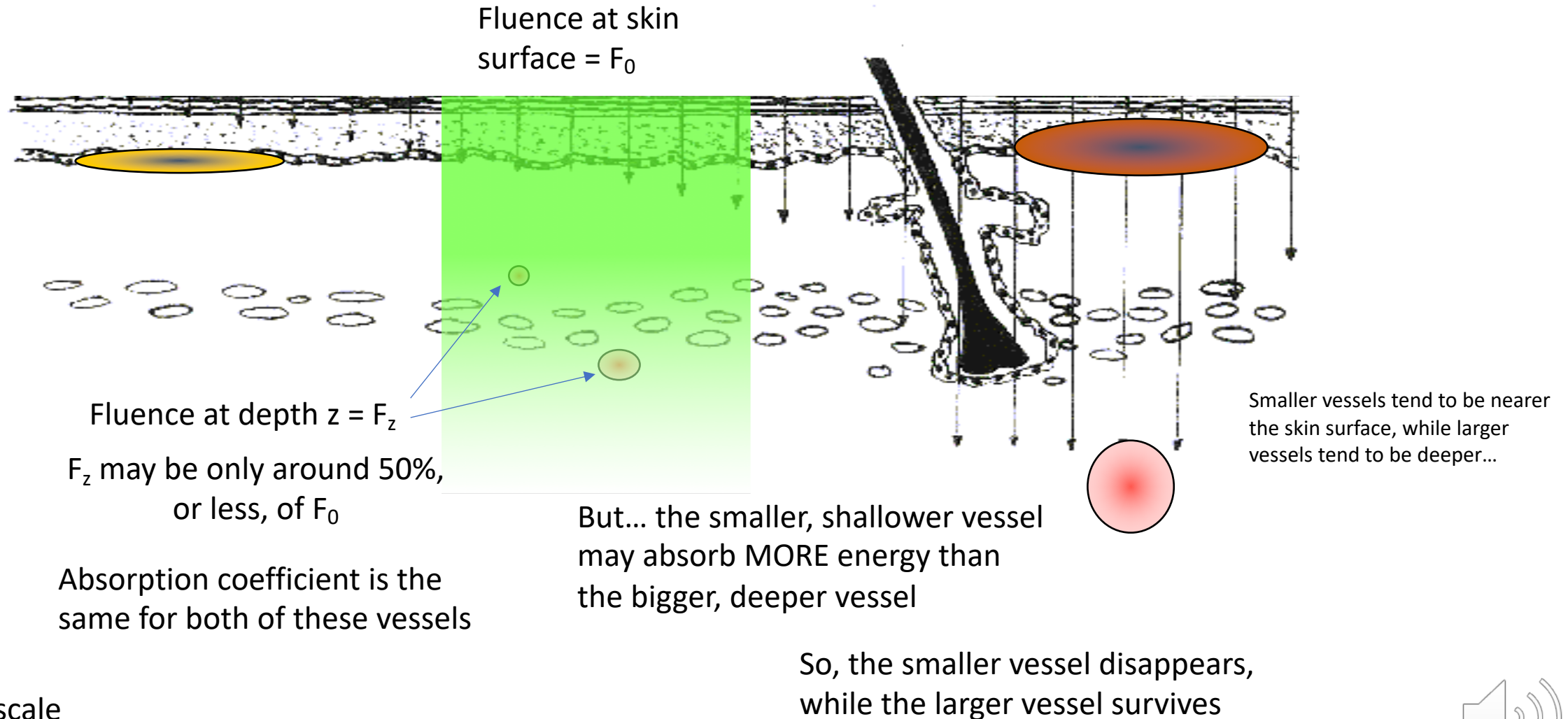
Light Penetration in Skin



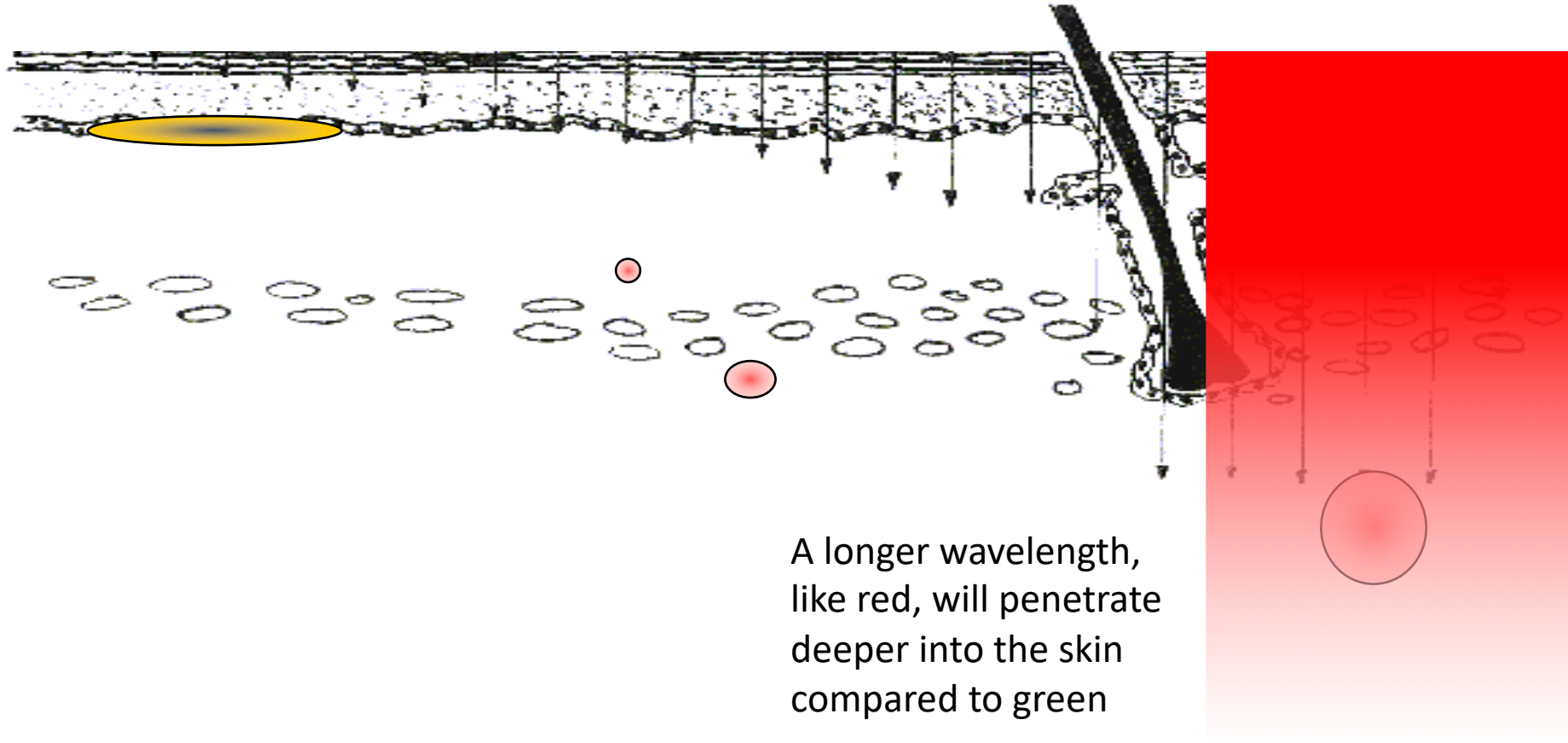
Not to scale



Absorption



Different wavelength



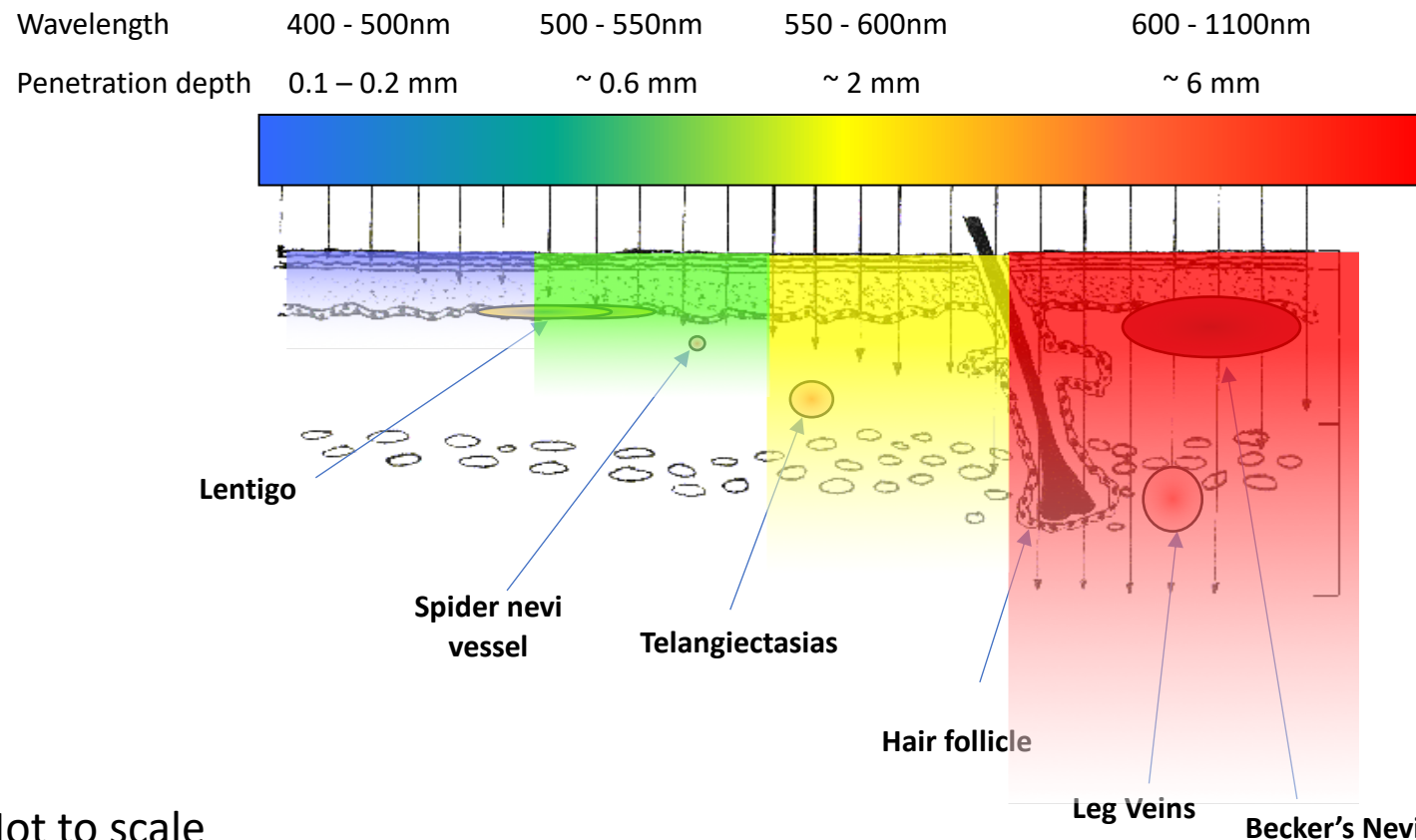
But, the absorption coefficient at red is much less than that at green!

So there is less heat generated by the absorbed red light energy

Not to scale



Wavelength and Absorption



Not to scale

The temperature rise in the targets depend on both the amount of light energy which reaches the depth of the target

AND the amount actually absorbed by the target:

i.e. wavelength and absorption coefficient





Thanks for listening

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