



THE LASER-IPL GUYS

The Effect of  
Anisotropy with  
Tattoo Lasers





## What is 'anisotropy'?

'Isotropy' comes from the Greek language:

'Iso' – equal

'tropos' – direction

Isotropy means “uniform behaviour in all directions equally”





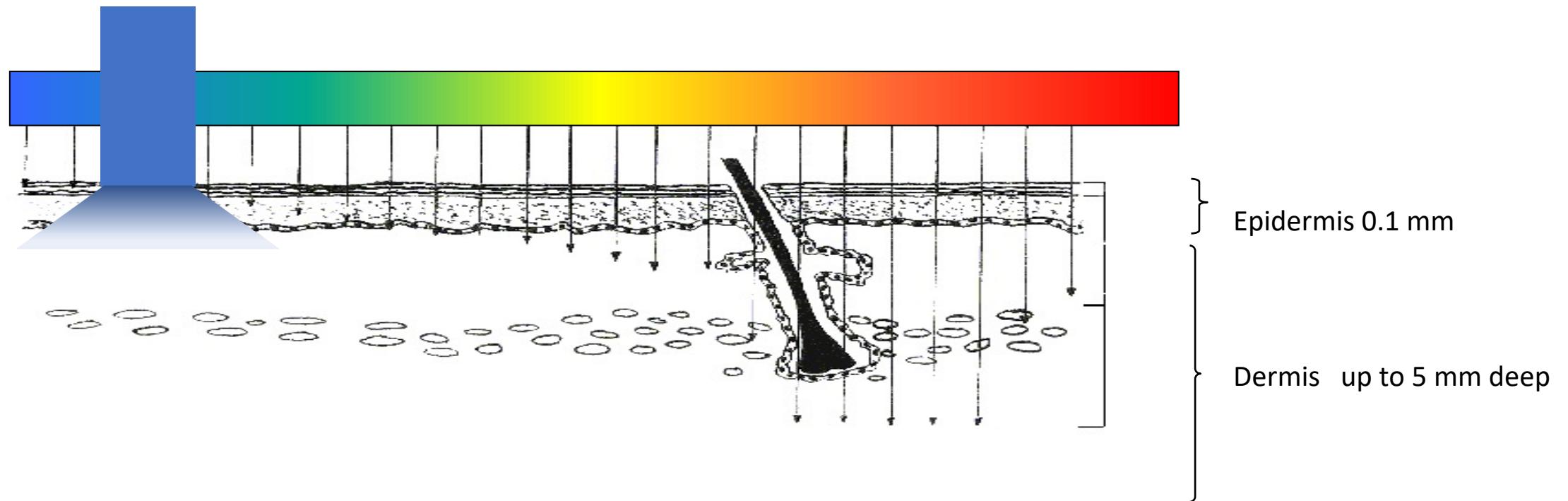
## What is 'anisotropy'?

'An' – means 'not'

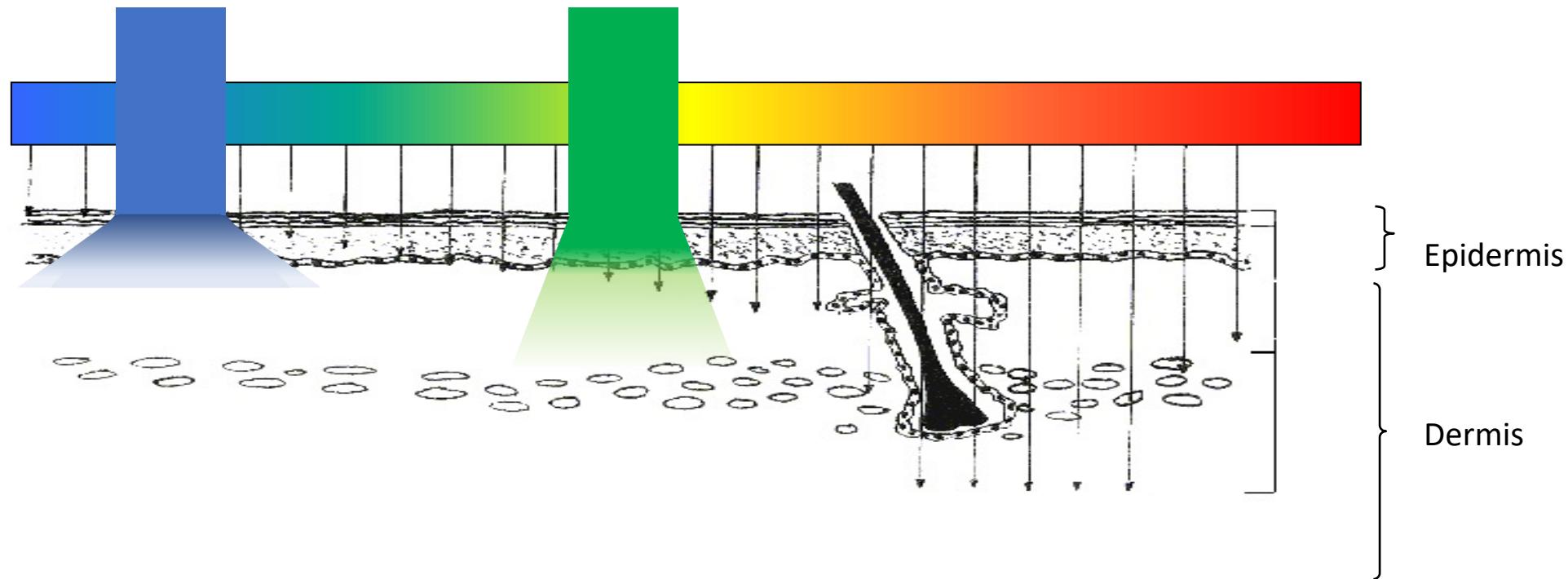
So, 'anisotropy' describes how light moves in different directions in tissues, with some directions being 'preferred'



# What is 'anisotropy' related to laser light in the skin?



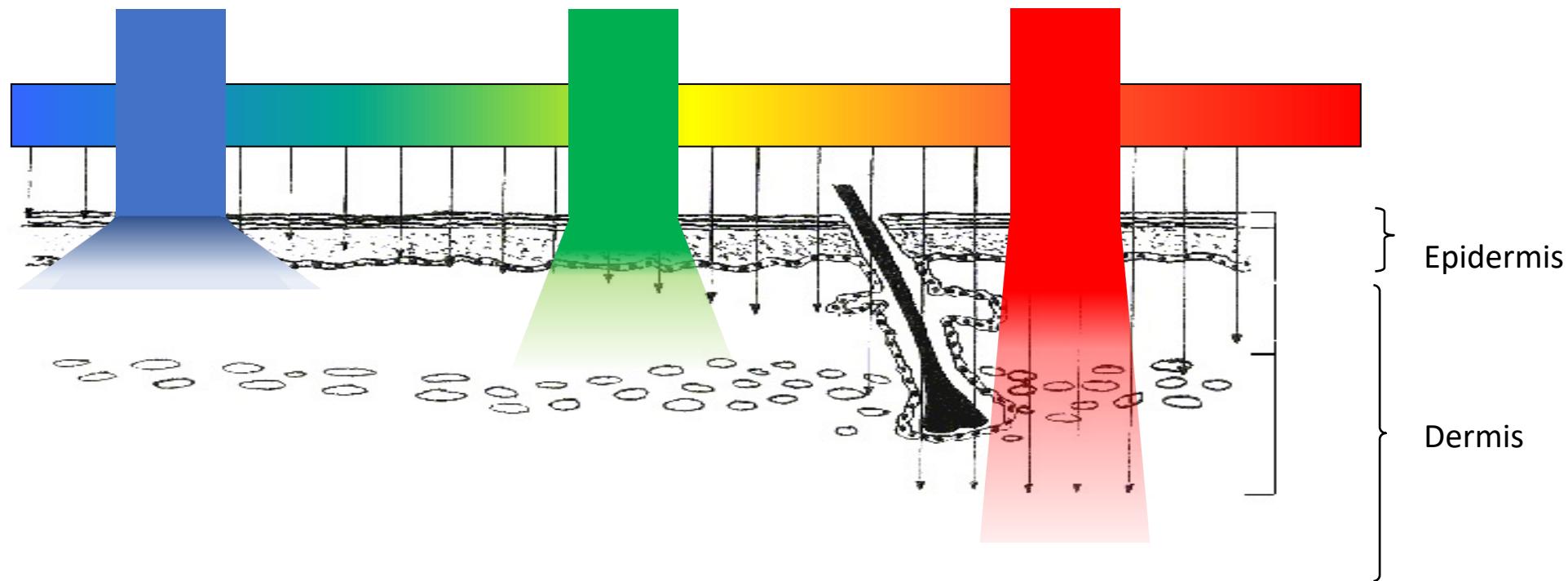
# What is 'anisotropy' related to laser light in the skin?



Not to scale



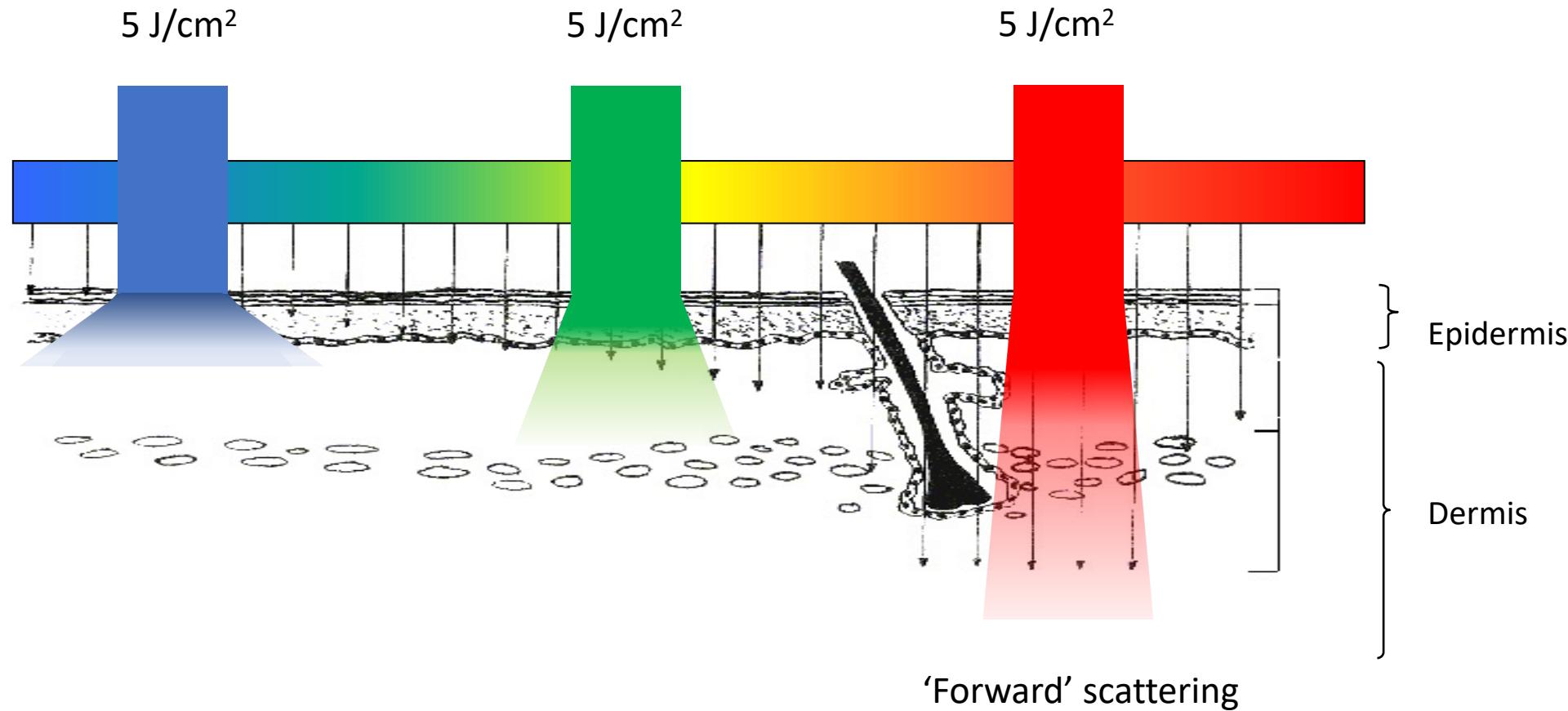
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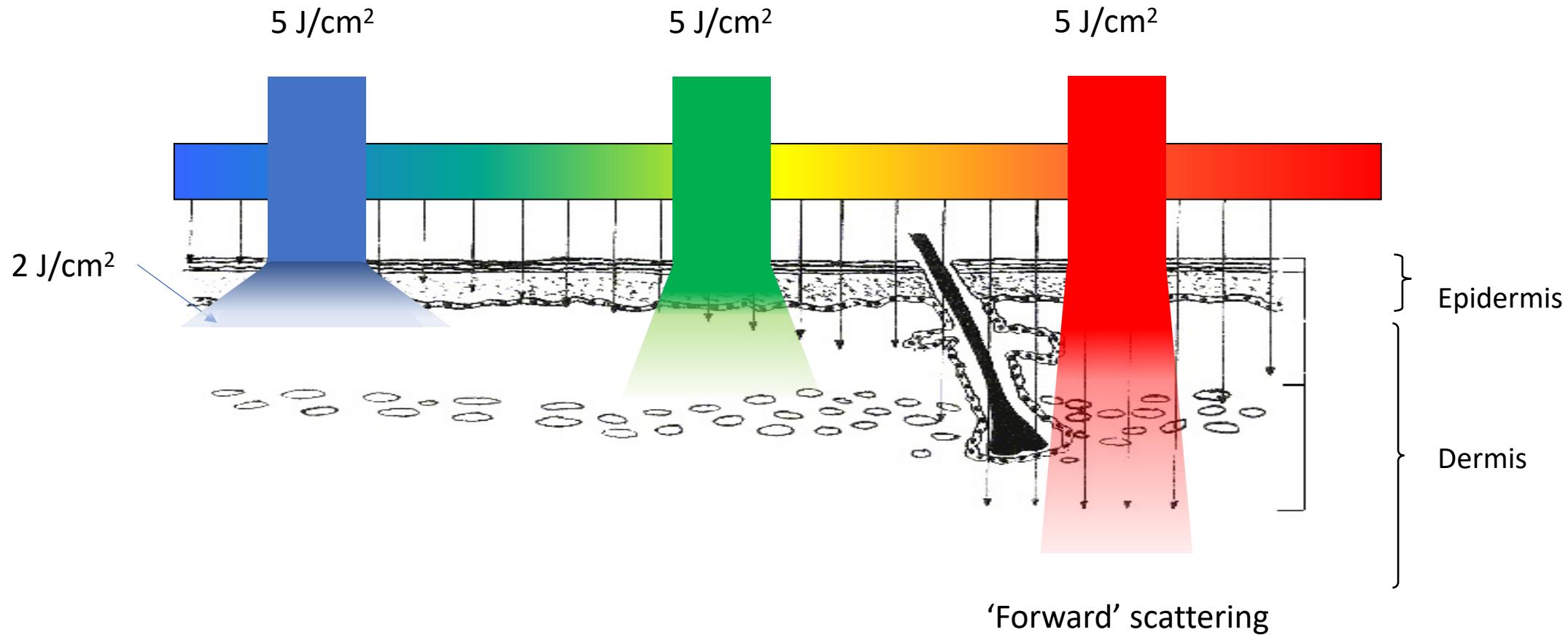
# What is 'anisotropy' related to laser light in the skin?



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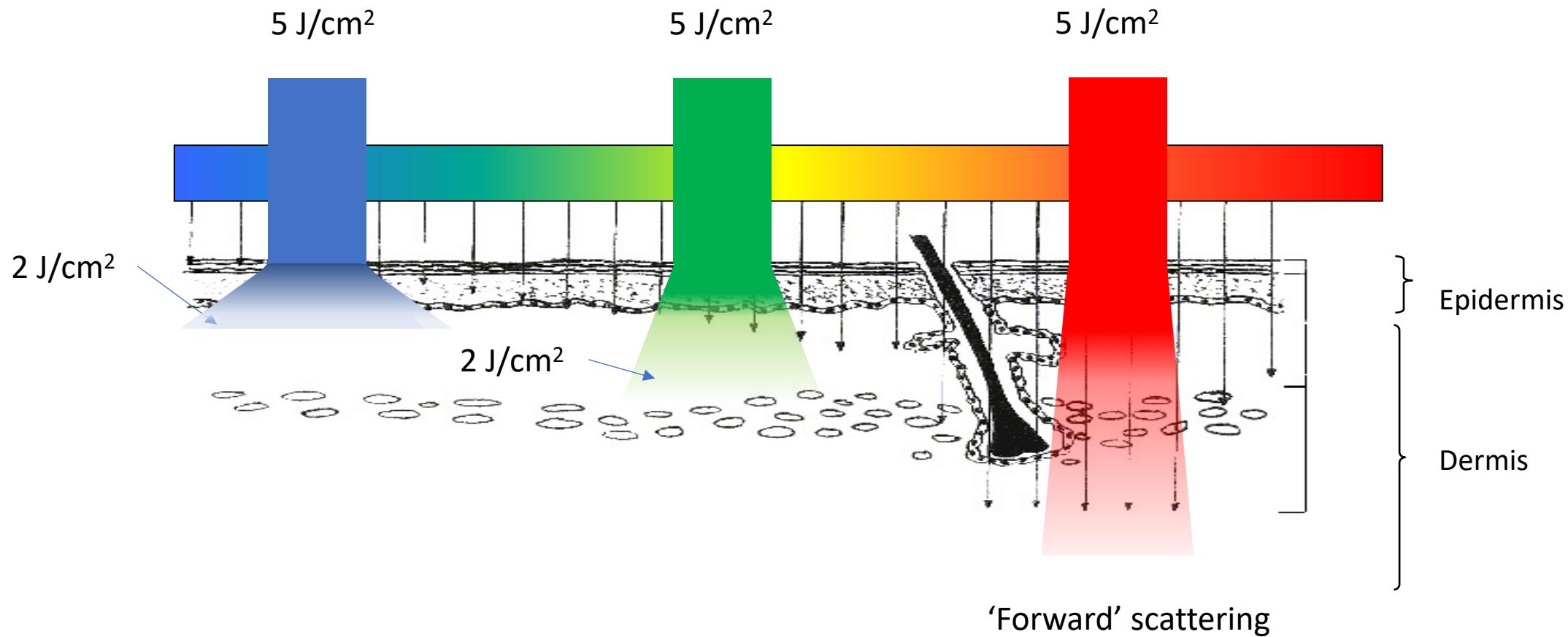


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'Forward' scattering



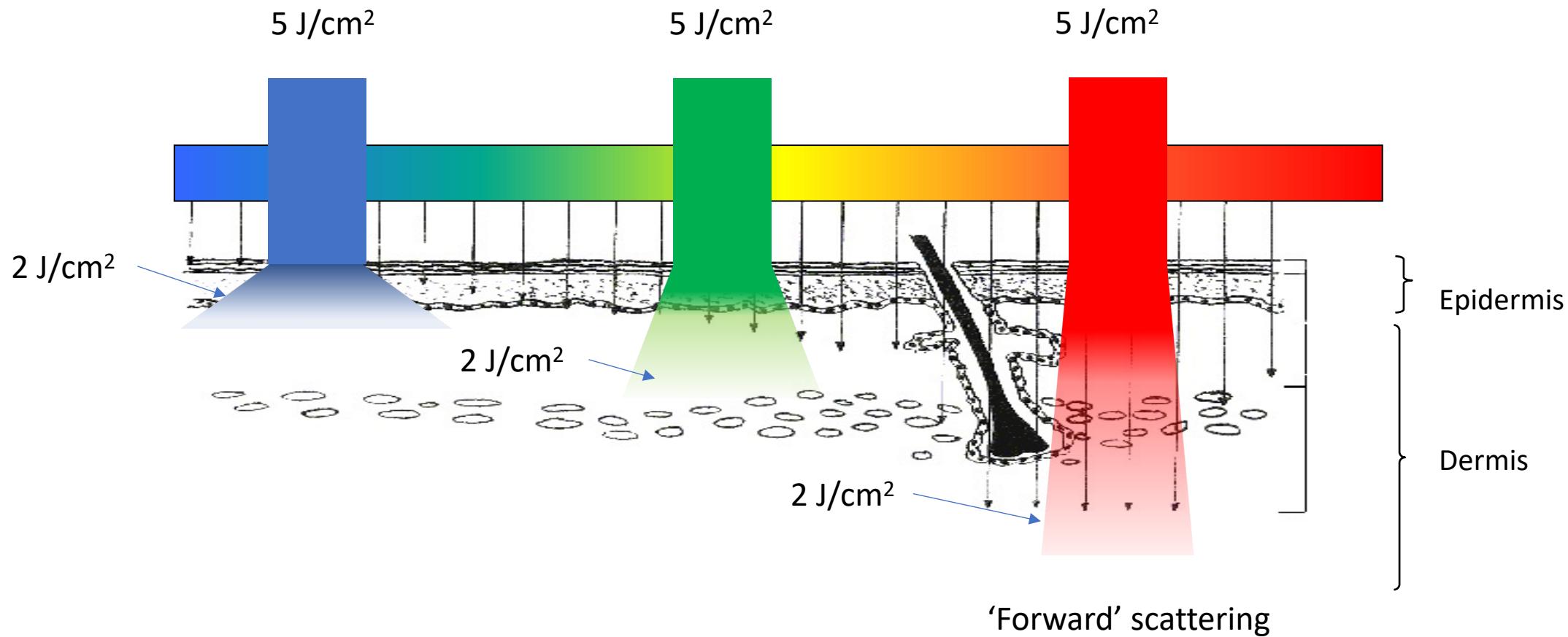
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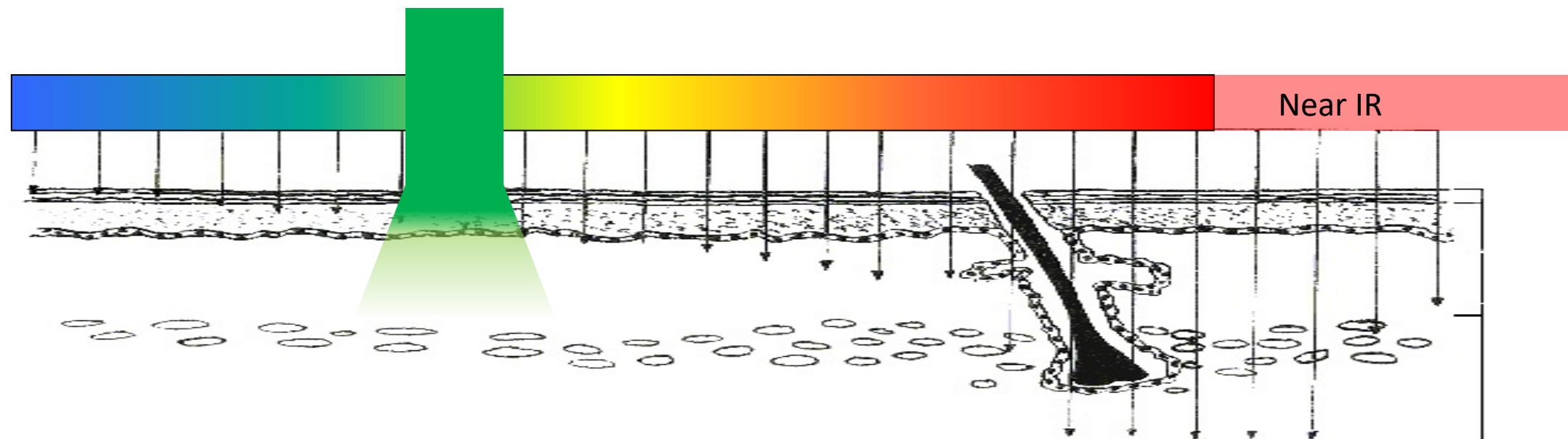
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# Tattoo Lasers

Frequency-doubled Nd:YAG  
532 nm

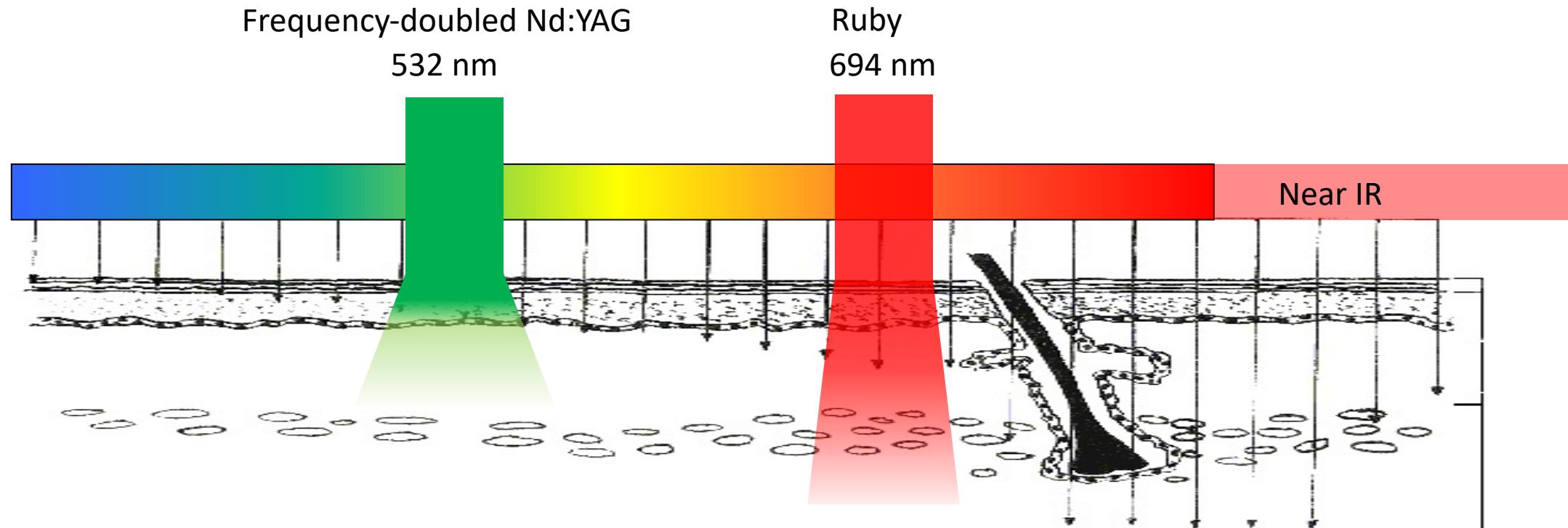


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# Tattoo Lasers

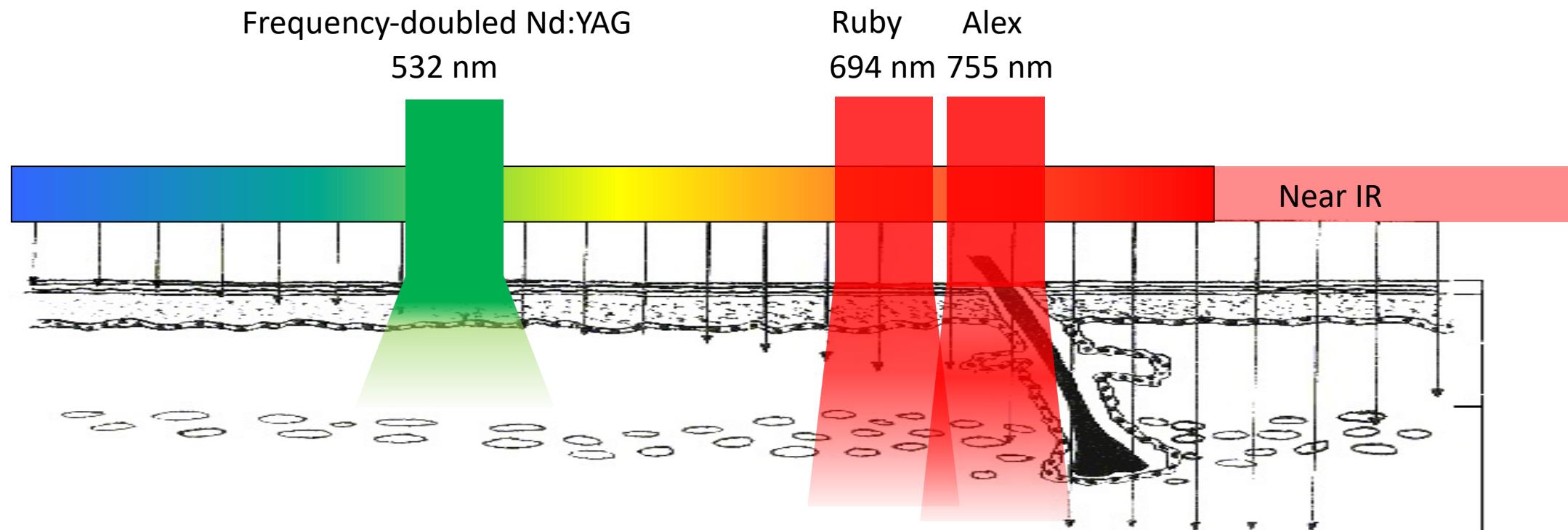


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# Tattoo Lasers

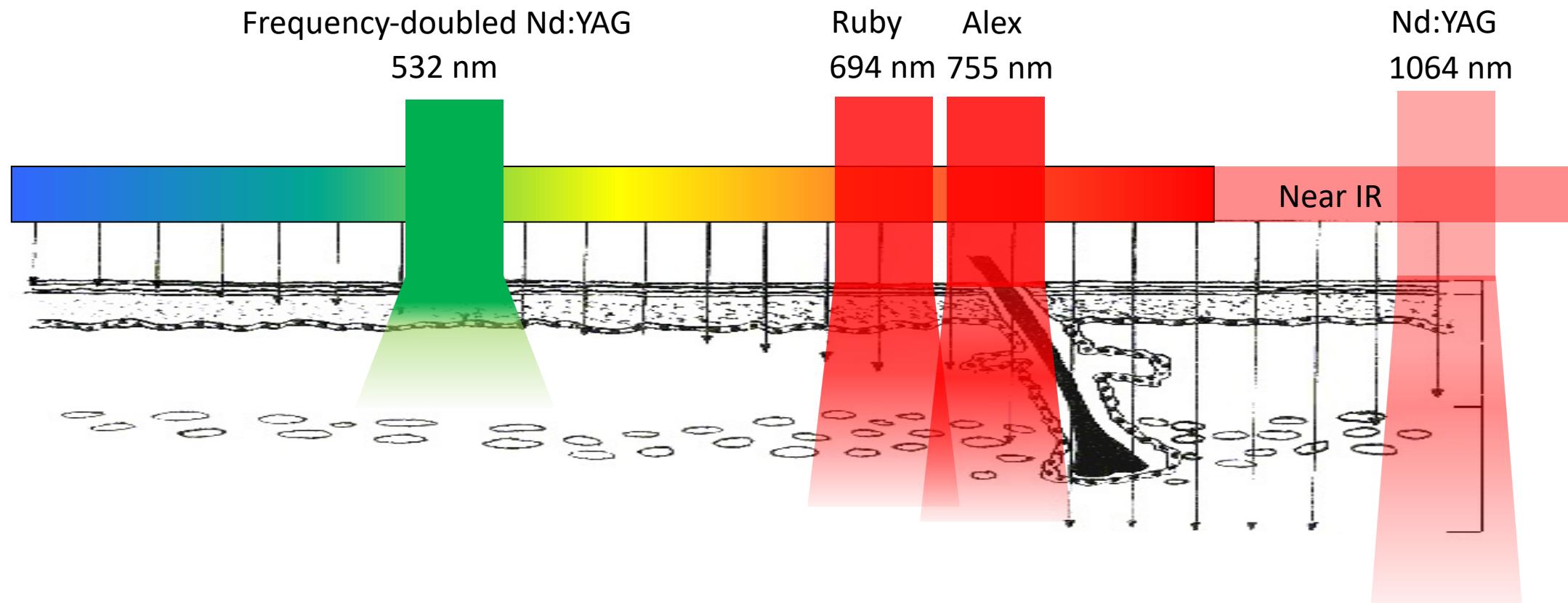


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# Tattoo Lasers



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