

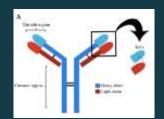
INJECTIONS

- -New drugs
- RTH
- CROSSMAB; RG7716
- -NEW ROUTES OF ADMINISTRATION

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RTH258: BROLUCIZUMAB

-Single chain antibody:
small size,
tissue penetration
rapid systemic clearance



- -HARRIER and HAWK studies (1800 p)
- -When given every <u>3 months</u> was non-inferior to Eylea every 2 months

DR ALICIA VALVERDE-MEGÍAS

CROSSMAB; RG7716

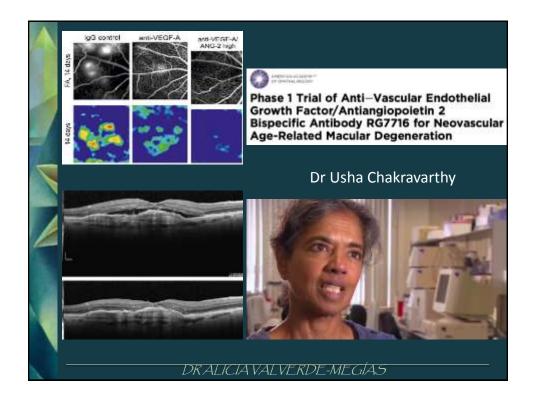
-Bispecific domain-exchanged (crossed) monoclonal antibody



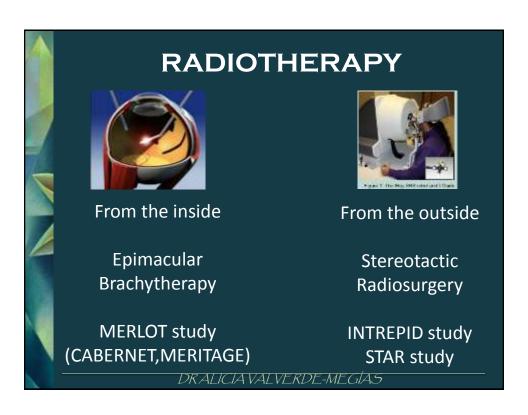
-VEGF-A and angiopoietin-2 (ANG-2)

- -ANG-1 promotes mature vessels
- -ANG-2 enhances NV development

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INTREPID STUDY (2013)

-230 patients already under treatment with Ranibizumab

-Then, SRT (16 or 24 Gy) or sham



- -Mantain PRN strategy
- -FEWER injections needed 12 months after SRT
- -Change in vision: almost stable

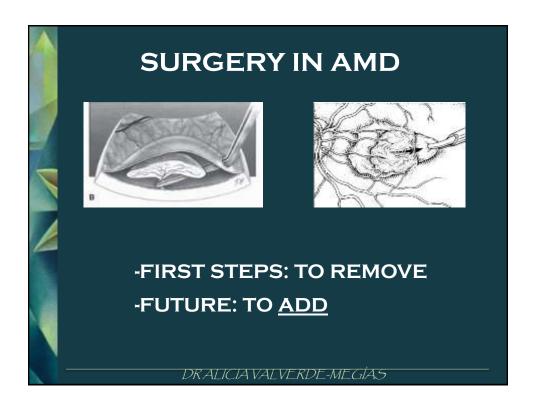
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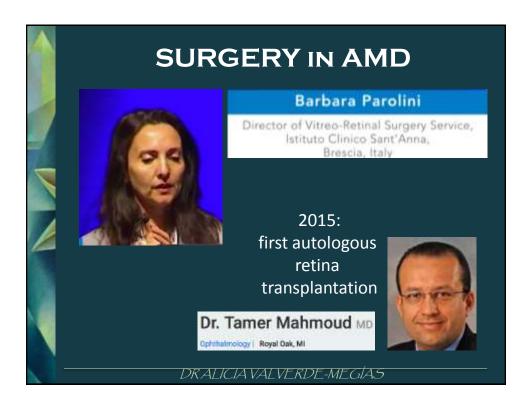
CONTROLLED CLINICAL TRIAL (STAR STUDY)

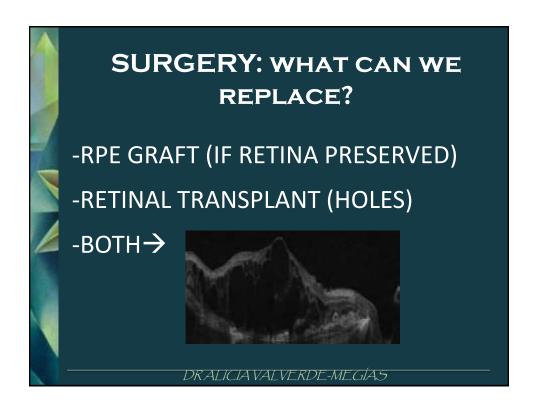
- -411 patients receiving PRN Ranibizumab
- -Then, SRT or sham (2016)
- -Mantain PRN strategy
- -24 months

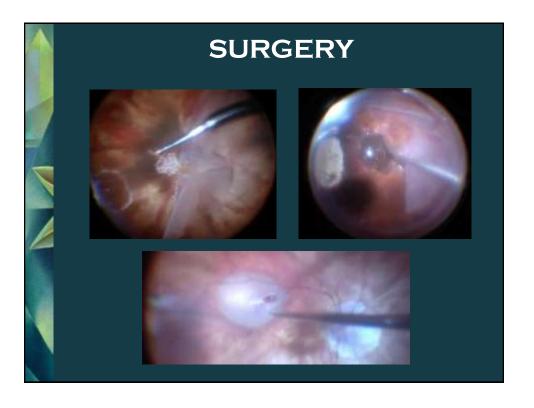
*Excluded: diabetic, too long/short eyes, media opacity

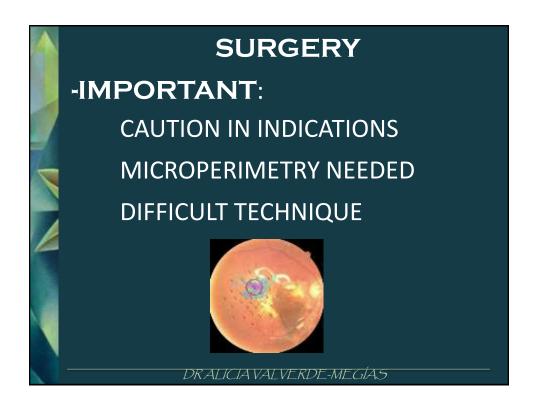
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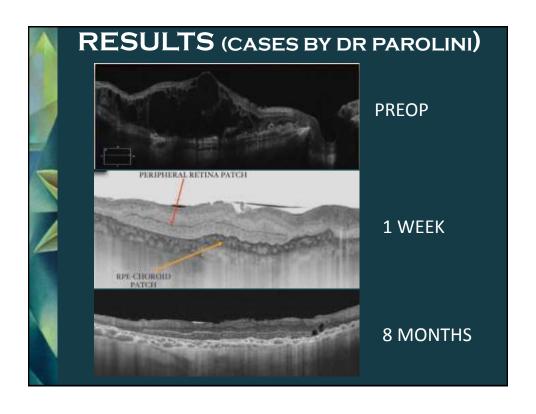


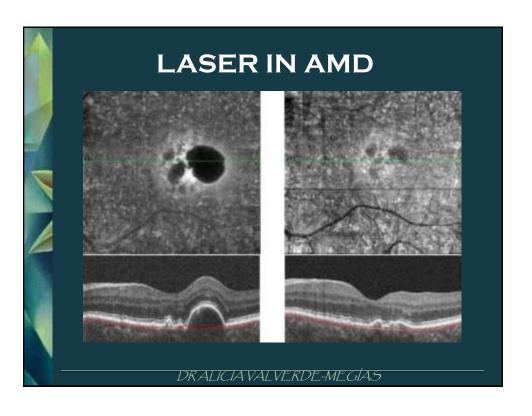


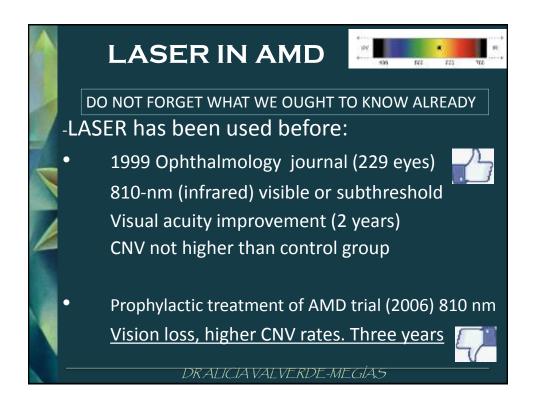


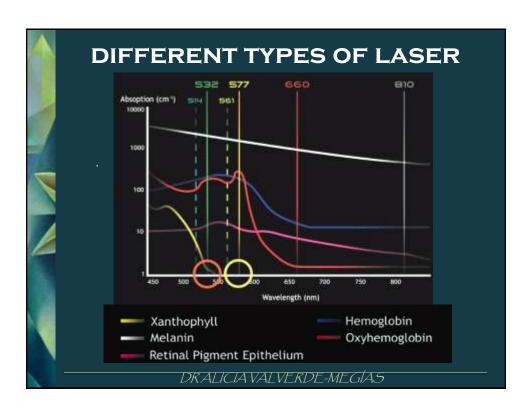


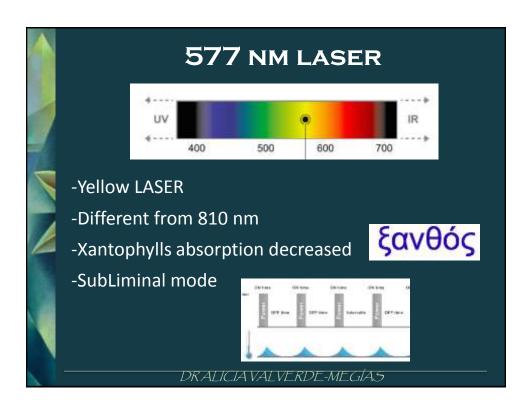


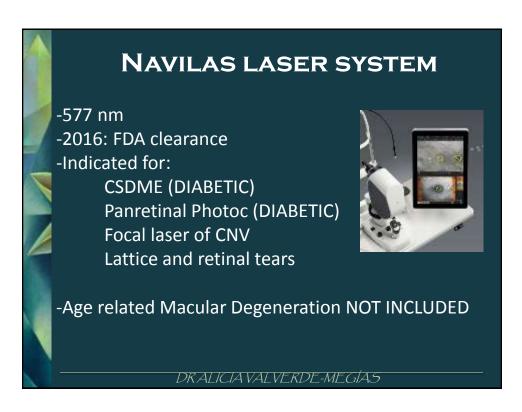












LASER: THE FUTURE?

-Biologic effects: blood flow improvement, ATP formation, reduces oxidative stress and inflammation (Mitochondrial CCO).

-Photobiomodulation (PBM)

-2017 June: off-label. Study in Canada in AMD combining different wavelenghts (590+670+790 nm) -LumiThera: LIGHTSITE I trial; multiwave lenght, VA improvement. Encouraging results. Two months ago.

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