



Quantifying metamorphopsia in patients with macular abnormalities

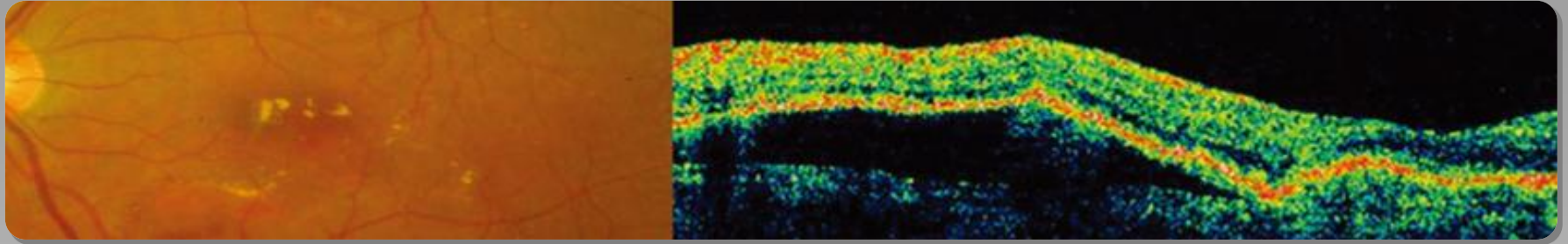


Asaf Achiron MD

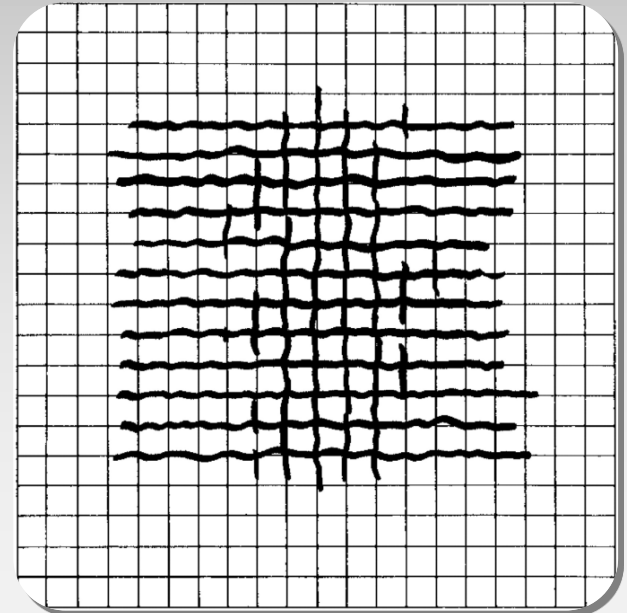


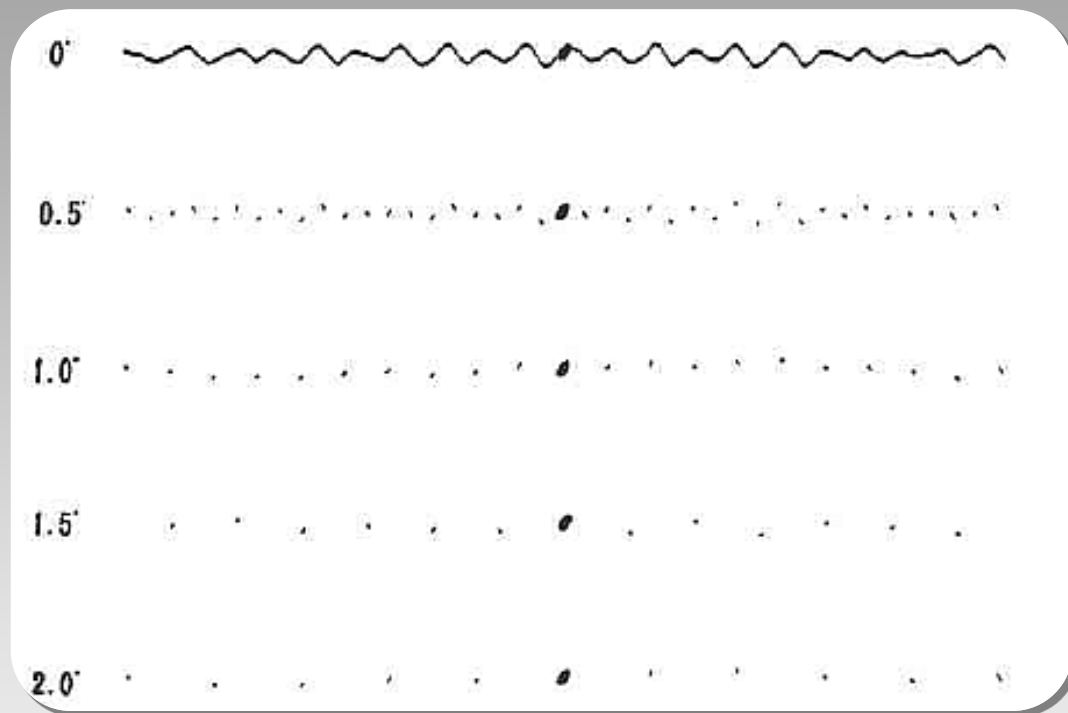
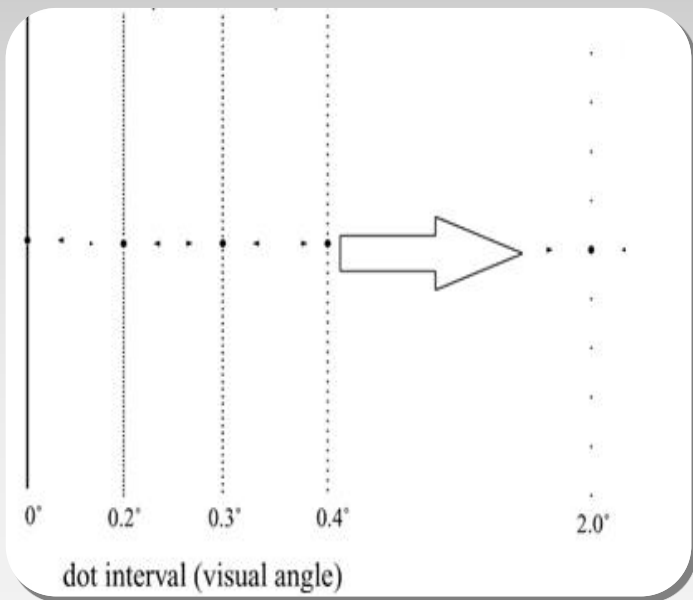
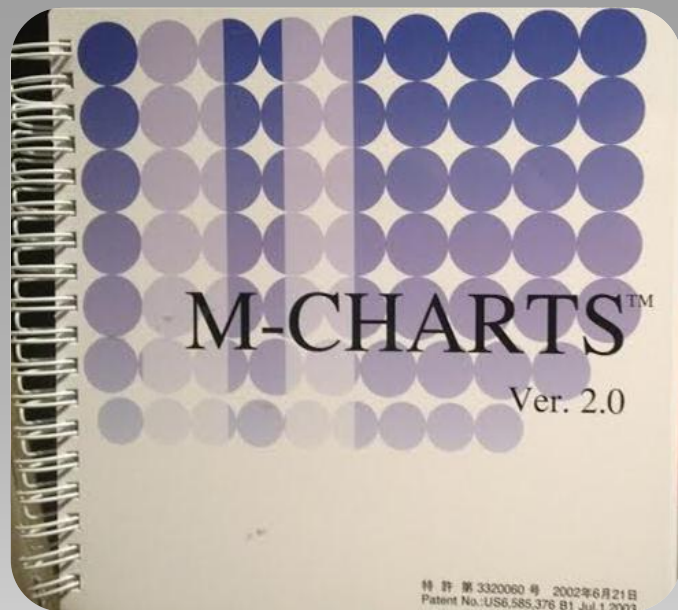
Wolfson Medical Center

Metamorphopsia



roughly characterized by
Amsler Grid

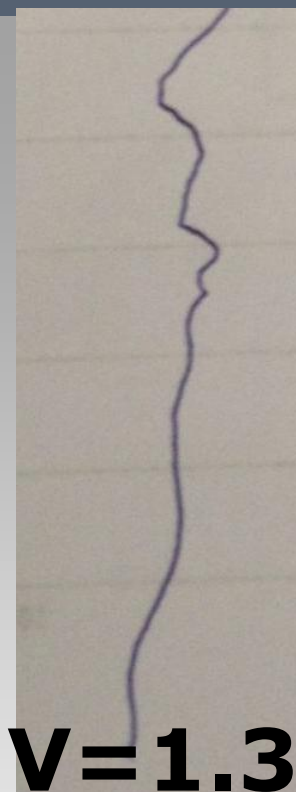
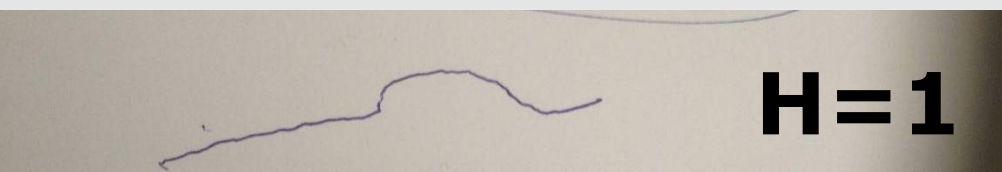
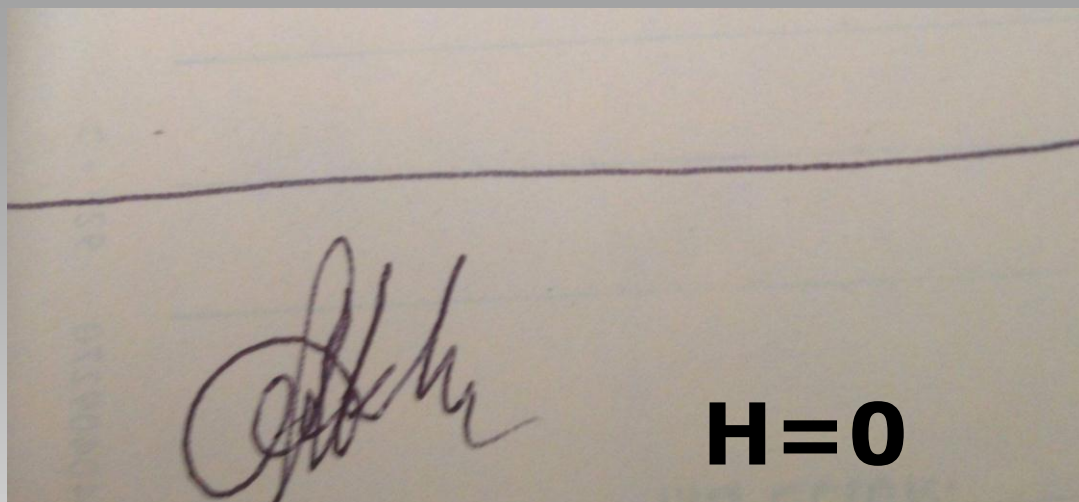




Methods

- **Patients receiving their first anti-vegf**

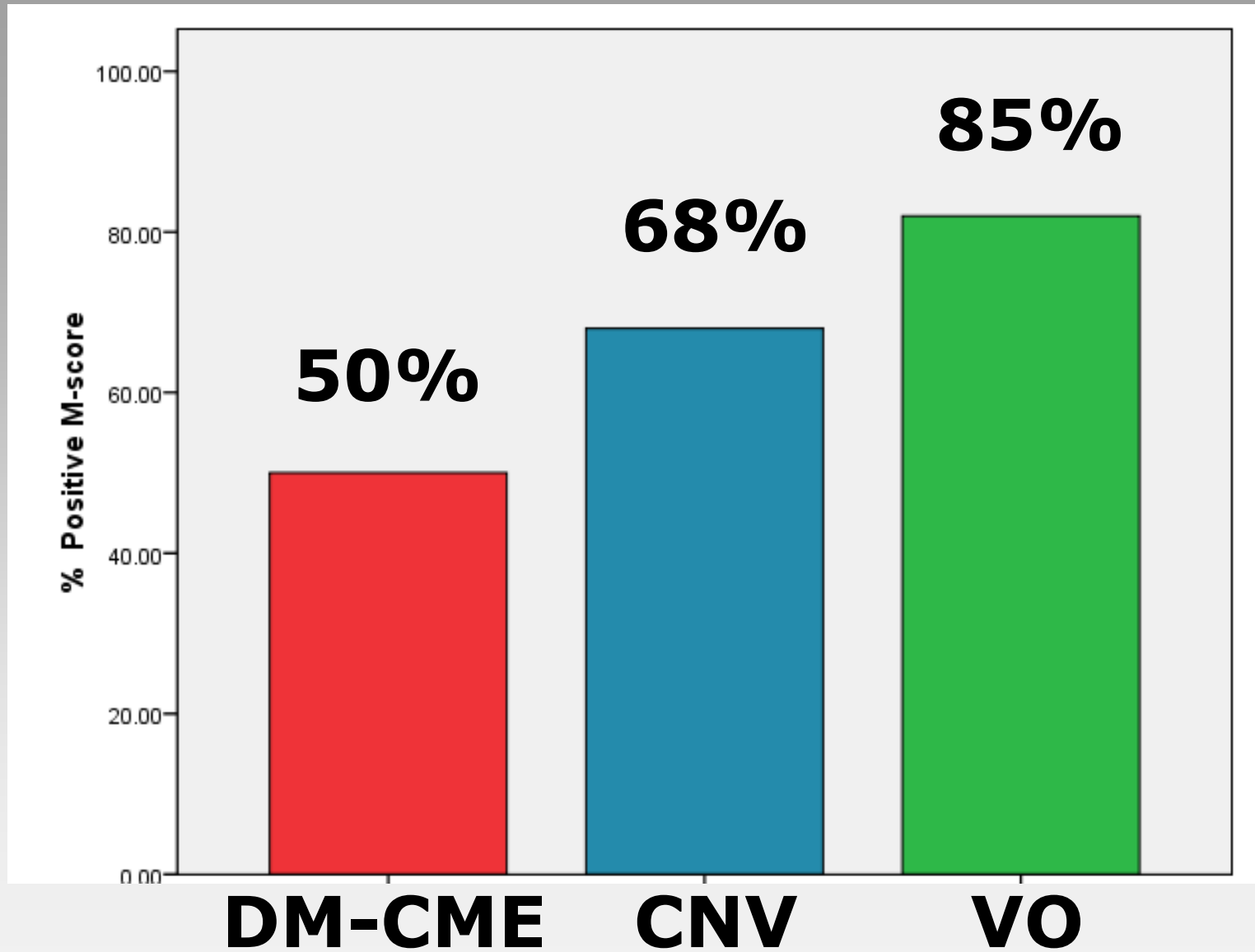




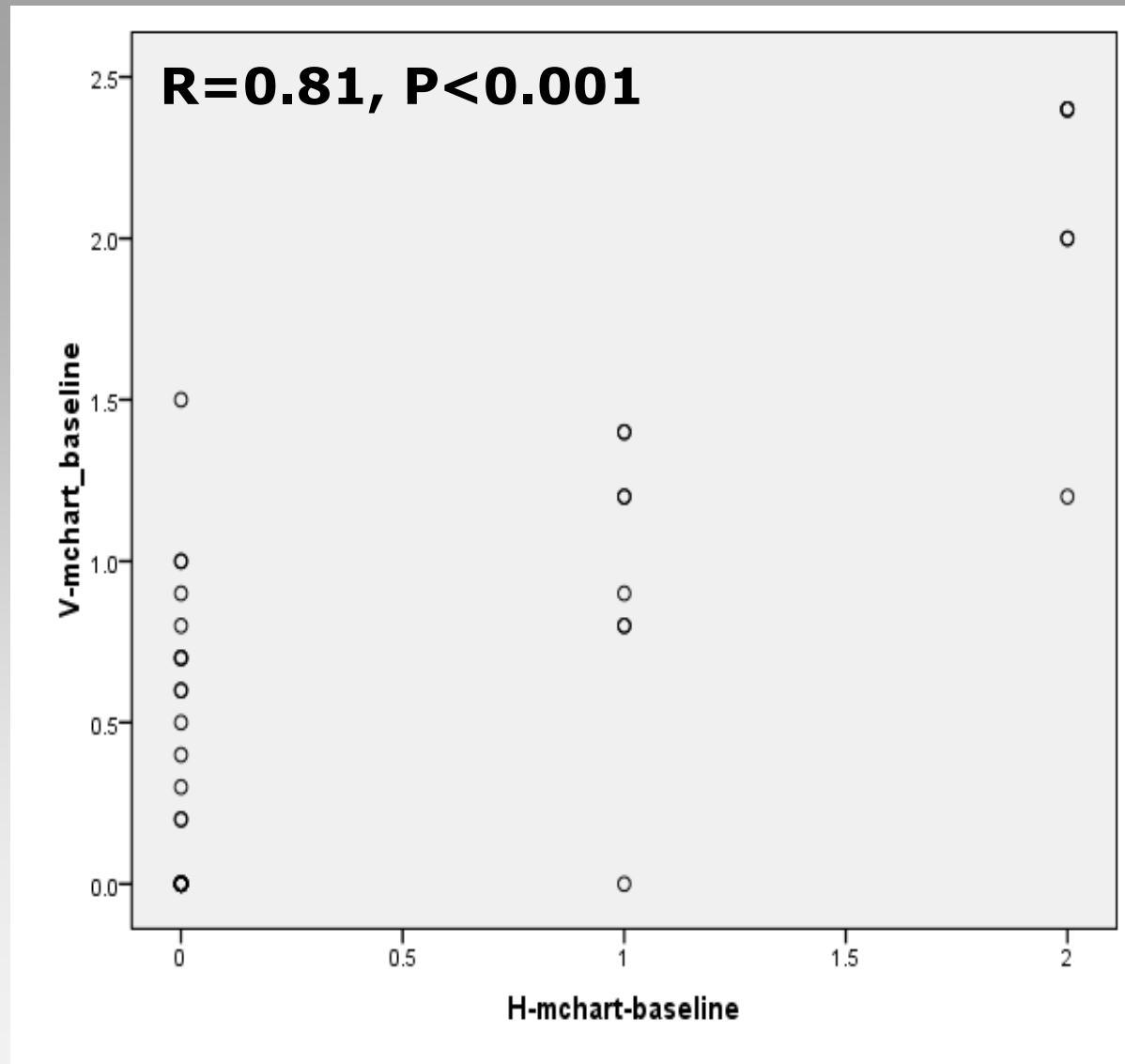
Results

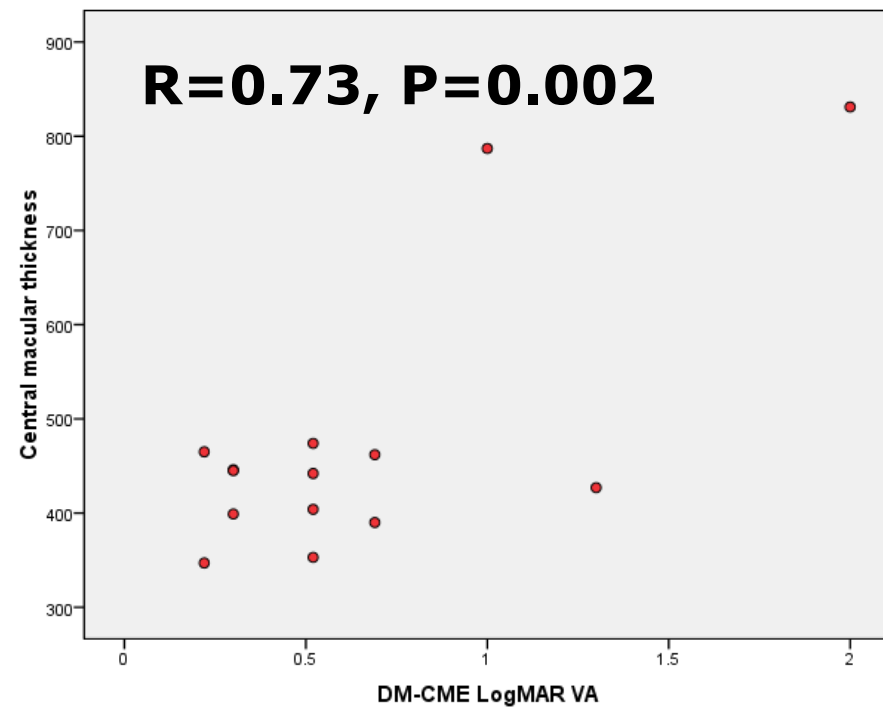
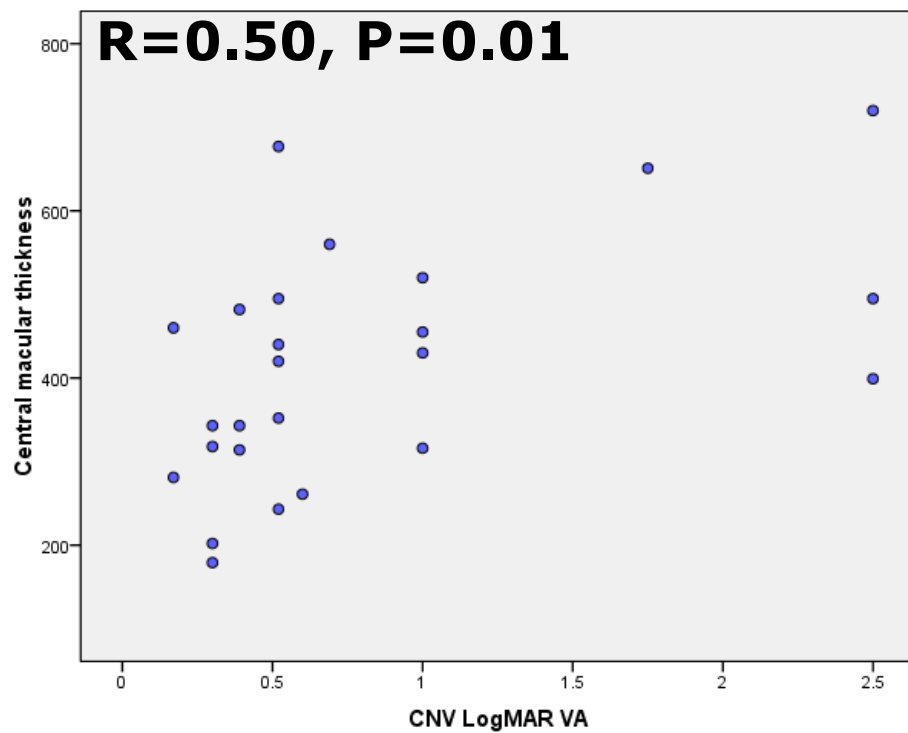
	N	AGE	BCVA (LogMAR)	V MCHART	H MCHART	OCT Thickness (μ)
CNV	25	79.9 (62-93)	0.81	0.66	0.42	414
DME-CME	18	59.8 (46-77)	0.64	0.29	0.17	476
VEIN OCCLUSION	7	73.2 (48-82)	1.93	1.2	1.0	469

M-CHART Positive Rate



Vertical correlates with Horizontal M-Score





Discussion

- **89-75% Rate of positive M-chart in CNV**
- **No correlation with VA and CRT OCT**
- **Arimura E et al. Invest Ophthalmol Vis Sci. 2011**
- **Nowomiejska K et al. BMC Ophthalmology 2013**

LE-SICUM



- **New tool for disease assessment**
- **Quick bed side exam**
- **Less logistics**
- **Monitoring**



- **Subjective**
- **Not suitable to all patients**

Thank you

