

## SYMPOSIUM: ARMD MEDICAL TREATMENT

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### **Photodynamic therapy with visudyne: complications**

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#### **Purpose:**

To analyse the photodynamic therapy's complications and try to understand parts of the mechanisms.

#### **Methods:**

Fluorescein and ICG angiograph are done using a Topcon Imagenet system Adobe Photoshop software to analyse the pictures and create traces from the lesion and laser's spot area Morphing software to compare the angiographs

#### **Results:**

Using Adobe photoshop software, it is possible to show the correspondence between the laser's spot area and the size of the new neovascular lesion. Part of the atrophy after treatment is included in the same area if the treatment dries the lesion.

#### **Conclusion:**

Enlarging the laser's spot size from  $1000\mu$  compared with the lesion's size increase the risk of atrophy, fibrosis or neovascular complications when using PDT protocol.