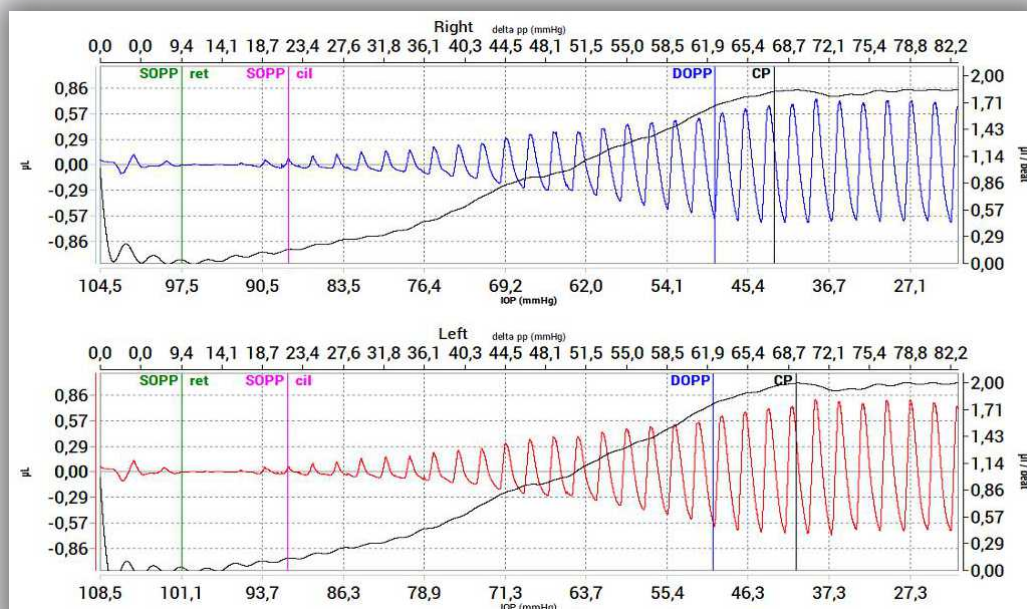


# OPFA

Ocular Pressure Blood Flow Analyzer

acc. to W.-D. Ulrich, Ch. Ulrich

- \* Non-invasive diagnosis and
- \* Non-invasive therapy control in  
ocular and cerebral blood flow disorders



Non-invasive Measurement of ocular

- \* **Perfusion Pressure,**
- \* **Perfusion Reserve,**
- \* **Pulsatile Blood Flow**

on both eyes simultaneously without dilation of the pupils.



CE 0482

high quality ophthalmological systems since 1978

# OPFA Ocular Pressure Blood Flow Analyzer

***Analyses ocular perfusion and ocular hemodynamics***

***Measures the real systolic and diastolic ocular perfusion pressure***

***Determines systolic and diastolic ocular blood pressure***

***Monitors ocular blood flow regulation to assess ocular perfusion reserve***

## ■ **Fields of application**

- ⑩ Detection of disturbed blood flow regulation in primary open-angle glaucoma (POAG) as a means for diagnostic and management
- ⑩ Early diagnosis and management of the normal-tension glaucoma (NTG) by recognition of reduced perfusion reserve
- ⑩ Detecting the transition of an ocular hypertension (OH) in primary open-angle glaucoma for initiation of an appropriate therapy
- ⑩ Examination of ocular perfusion of retinal arterial and venous occlusion processes, of occlusion of the arteria ophthalmica and of choroidal vascular disturbances
- ⑩ Diagnosis and therapy control of arteriitis temporalis (Mb. Horton)
- ⑩ Analyse ocular perfusion in supra-aortic arterial occlusion processes, pre- and post-operative
- ⑩ Analyse ocular perfusion in hereditary and degenerative retinal and choroidal diseases
- ⑩ Analyse ocular perfusion in age-related macula degeneration and macular dystrophies
- ⑩ Analyse ocular perfusion in diabetes and in diabetic retinopathies
- ⑩ Analyse ocular perfusion in patients with hypertony or hypotony and with vascular dysregulation
- ⑩ Detection of decreased outflow facility as an early sign of glaucoma with a special program

## ■ **OPFA procedure**

Following local drop anesthesia special scleral suction cups are attached temporarily to the eyes. The examination will take about 60 seconds.

The outcome is an ocular perfusion pressure pulse blood volume curve for the right and the left eye, which characterizes the respective individual ocular circulation. The OPFA software evaluates the data and compiles a report.

The examination is noninvasive, repeatable at any time, and well tolerated by the patient.



**CE 0482**

**ISO13485  
certified**

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