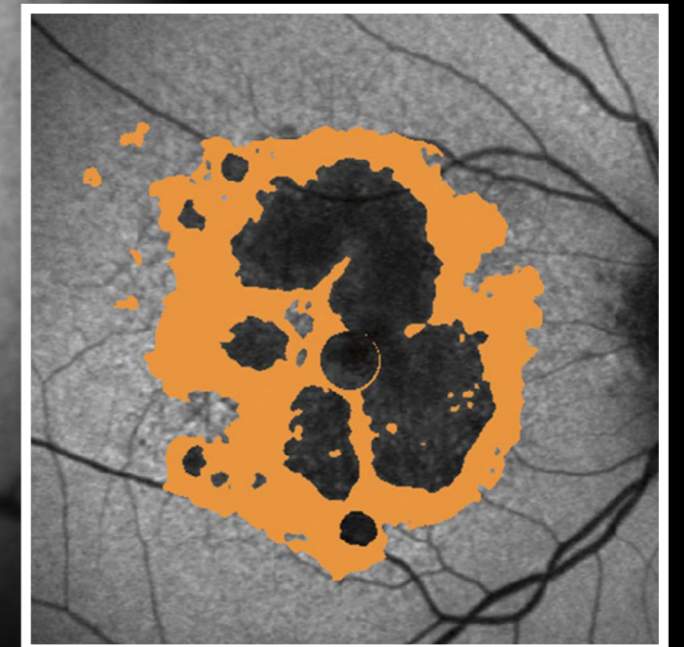SPECTRALIS®

BluePeak – Blue Laser Autofluorescence
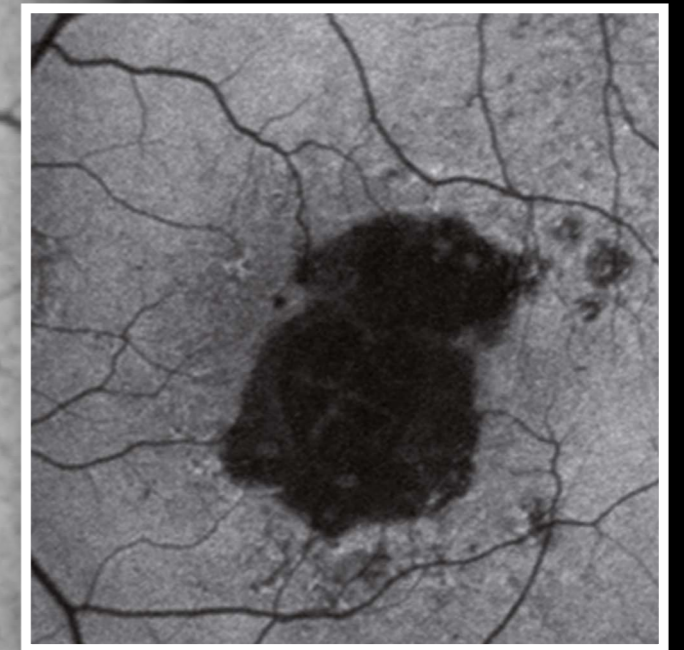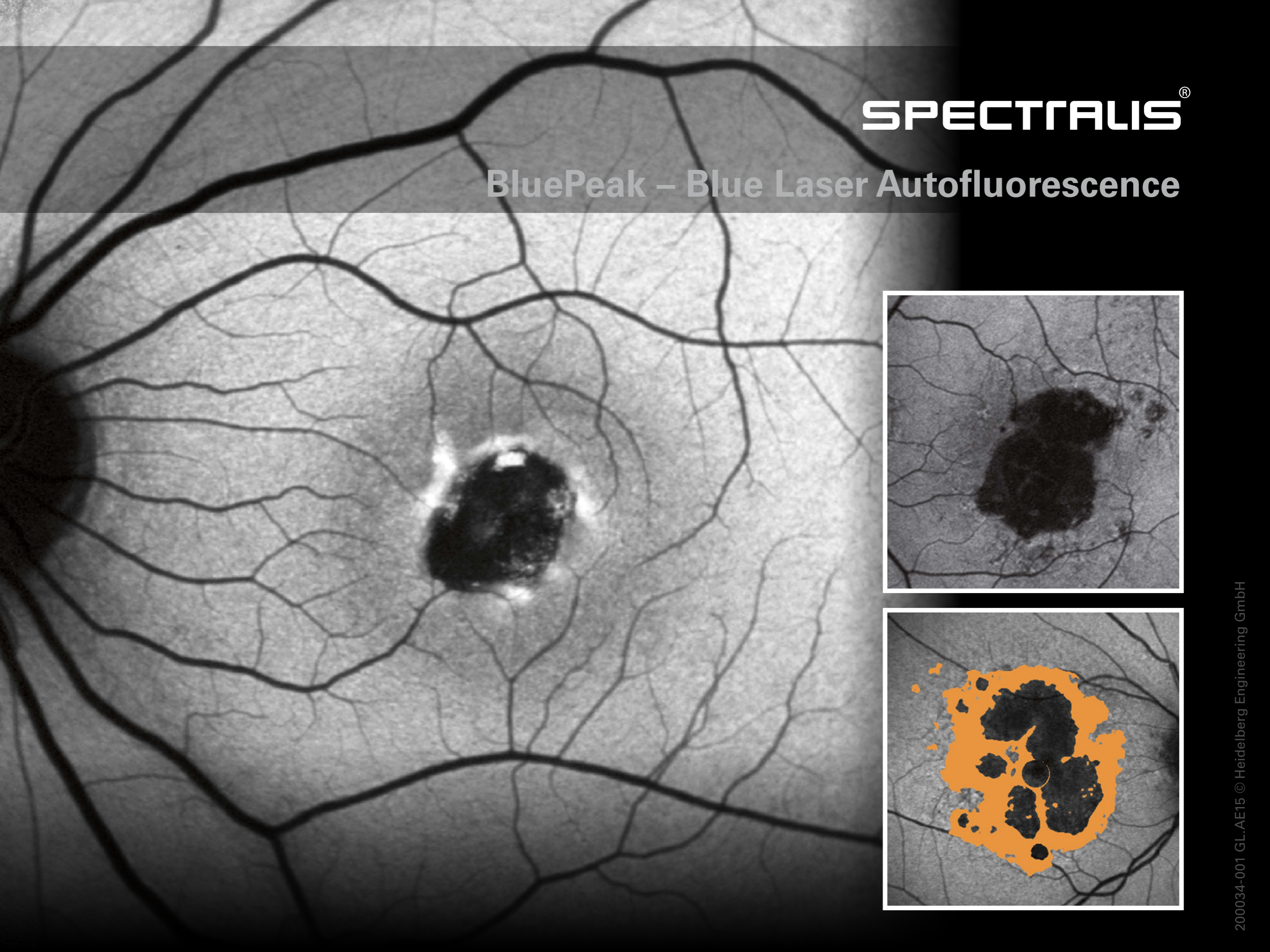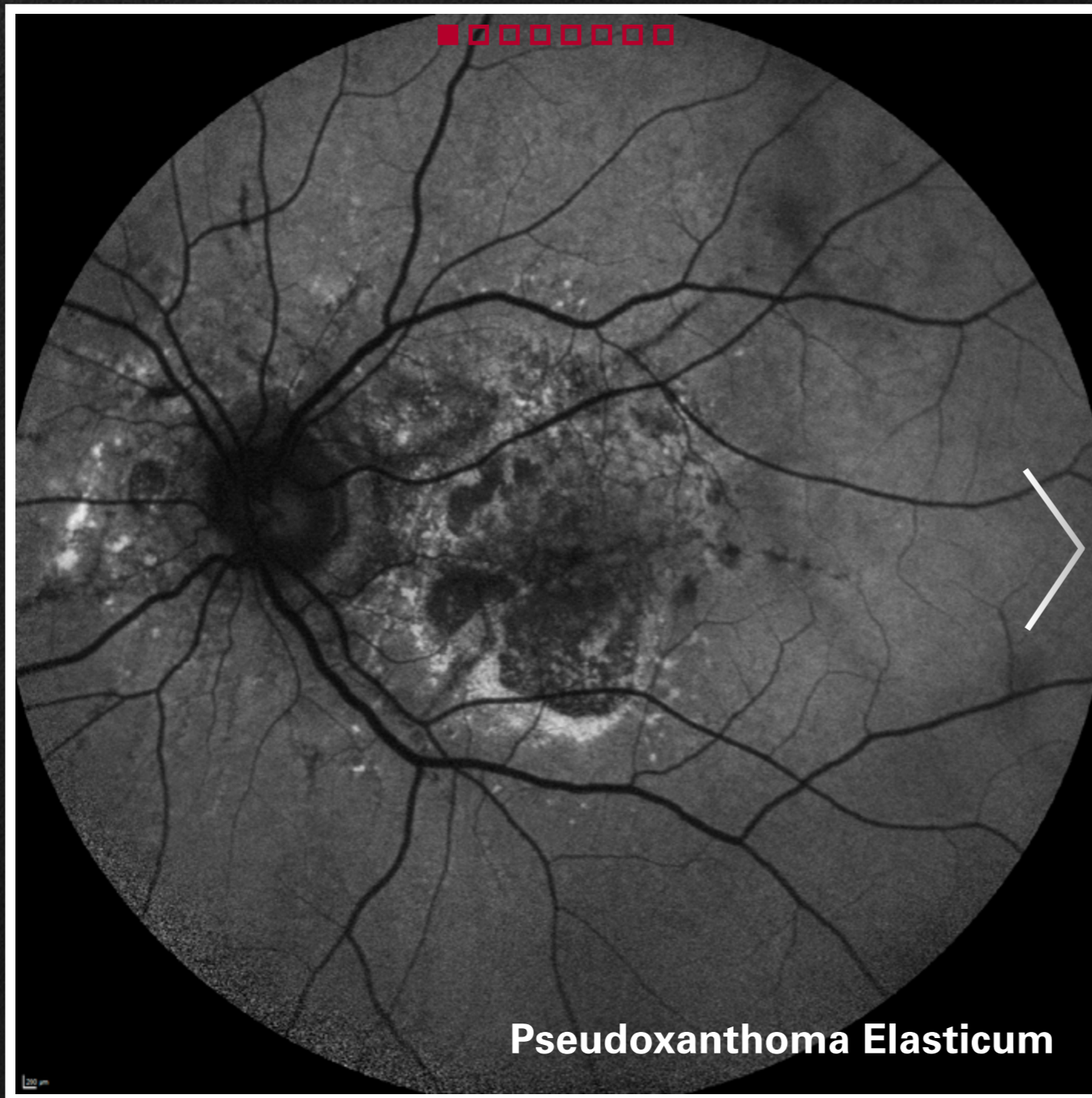
200034-001 GL.AE15 © Heidelberg Engineering GmbH

BluePeak – Blue Laser Autofluorescence

Pseudoxanthoma Elasticum

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Geographic Atrophy

200 μm

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

i

BluePeak – Blue Laser Autofluorescence

Geographic Atrophy

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

Healthy Subject
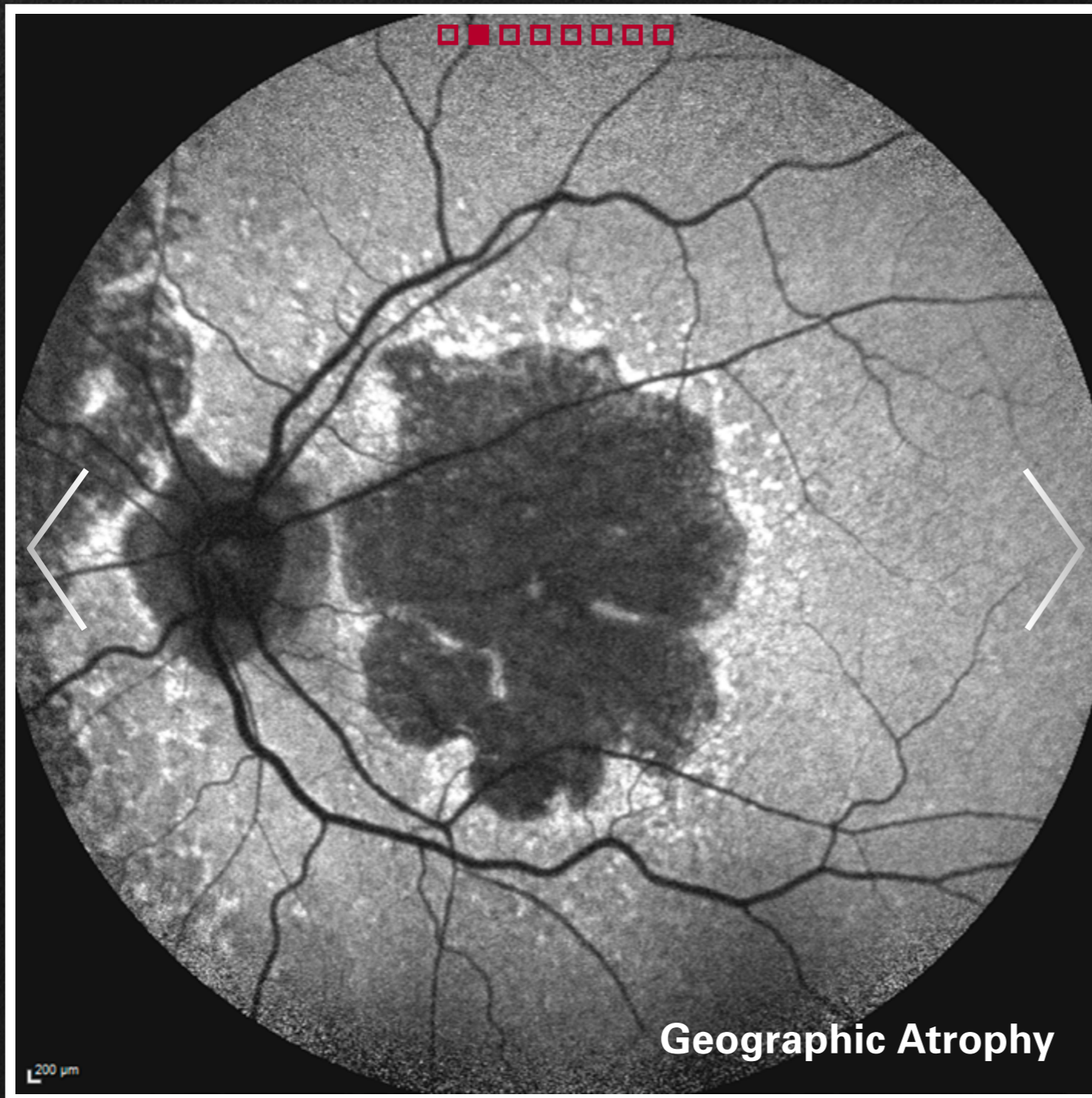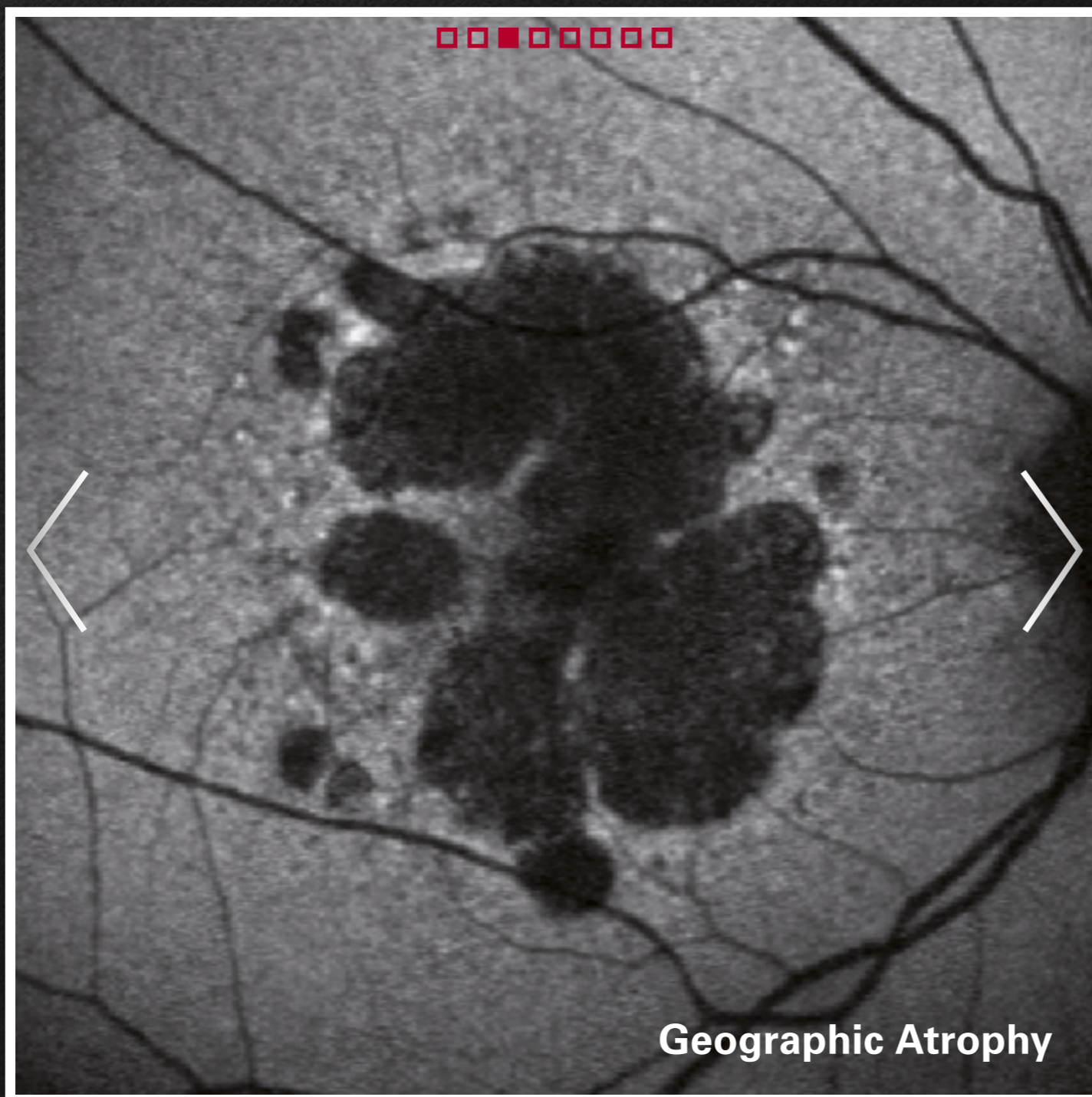
Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Macular Dystrophy

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Cone-Rod-Dystrophy

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images
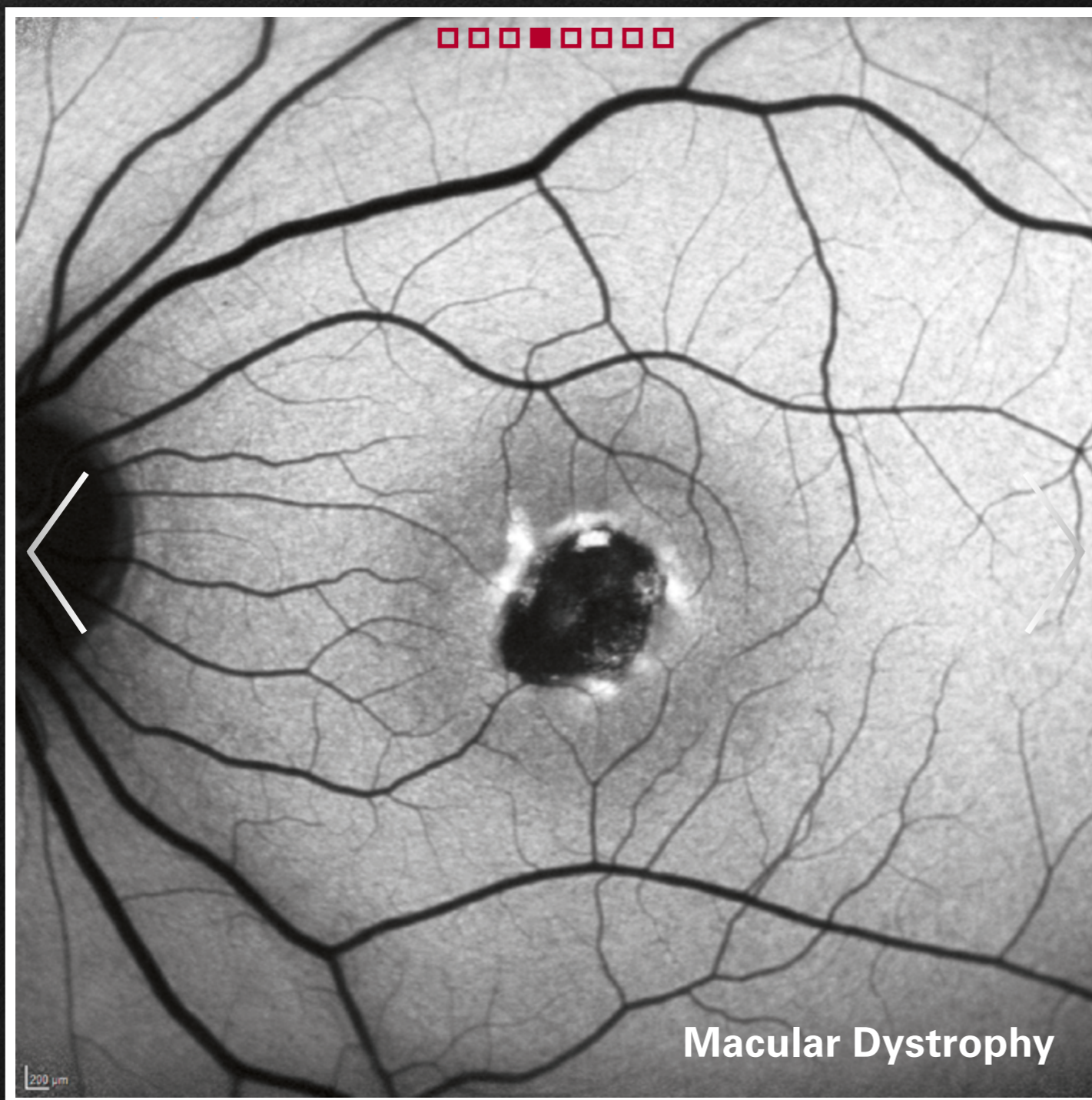
Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Macular Hole

200 μm

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

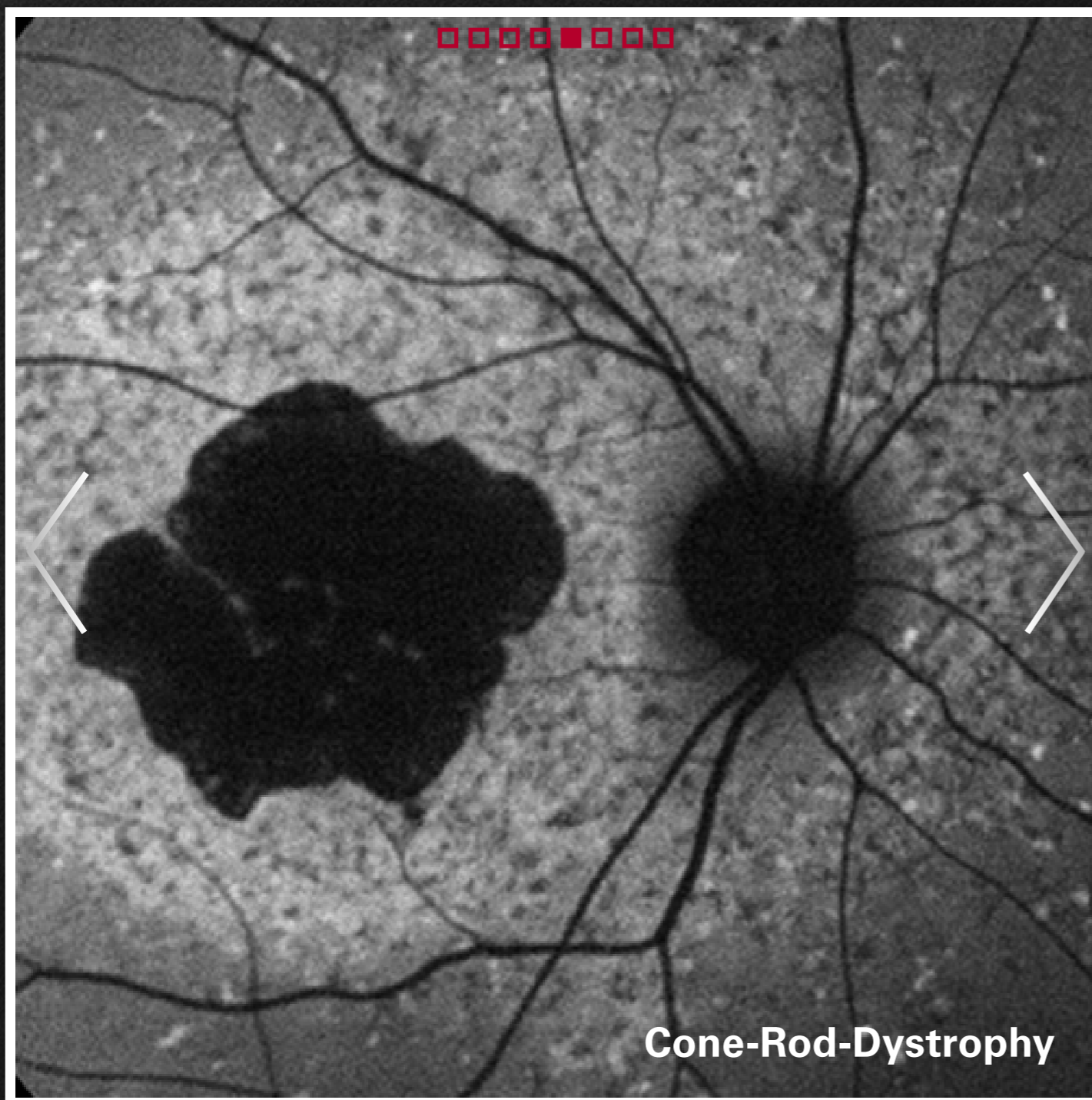**Diagnostic Images**

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Morbus Best

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Diagnostic Images
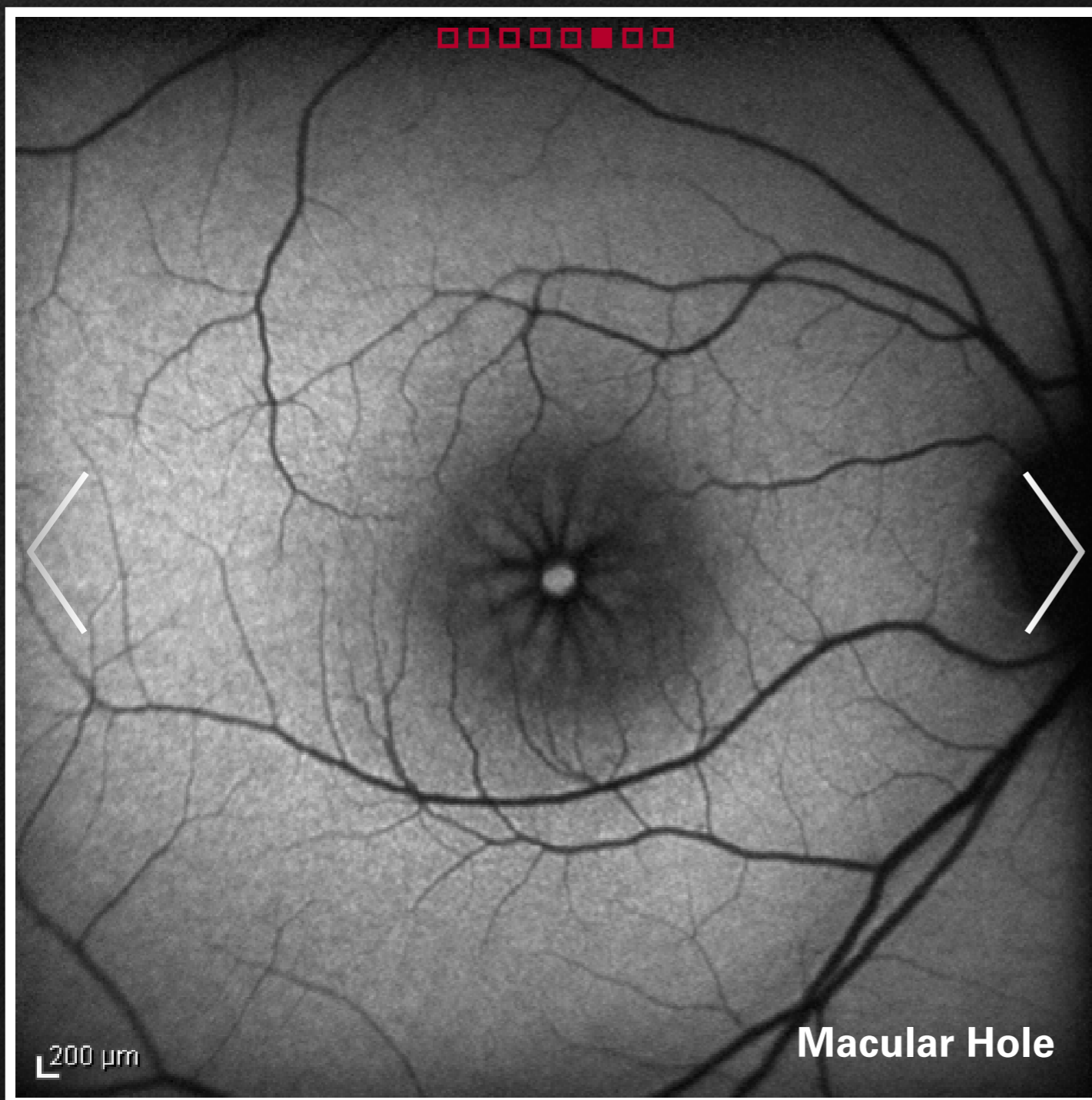
Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Retinitis Pigmentosa

Diagnostic Images

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

BluePeak
Fundus camera

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

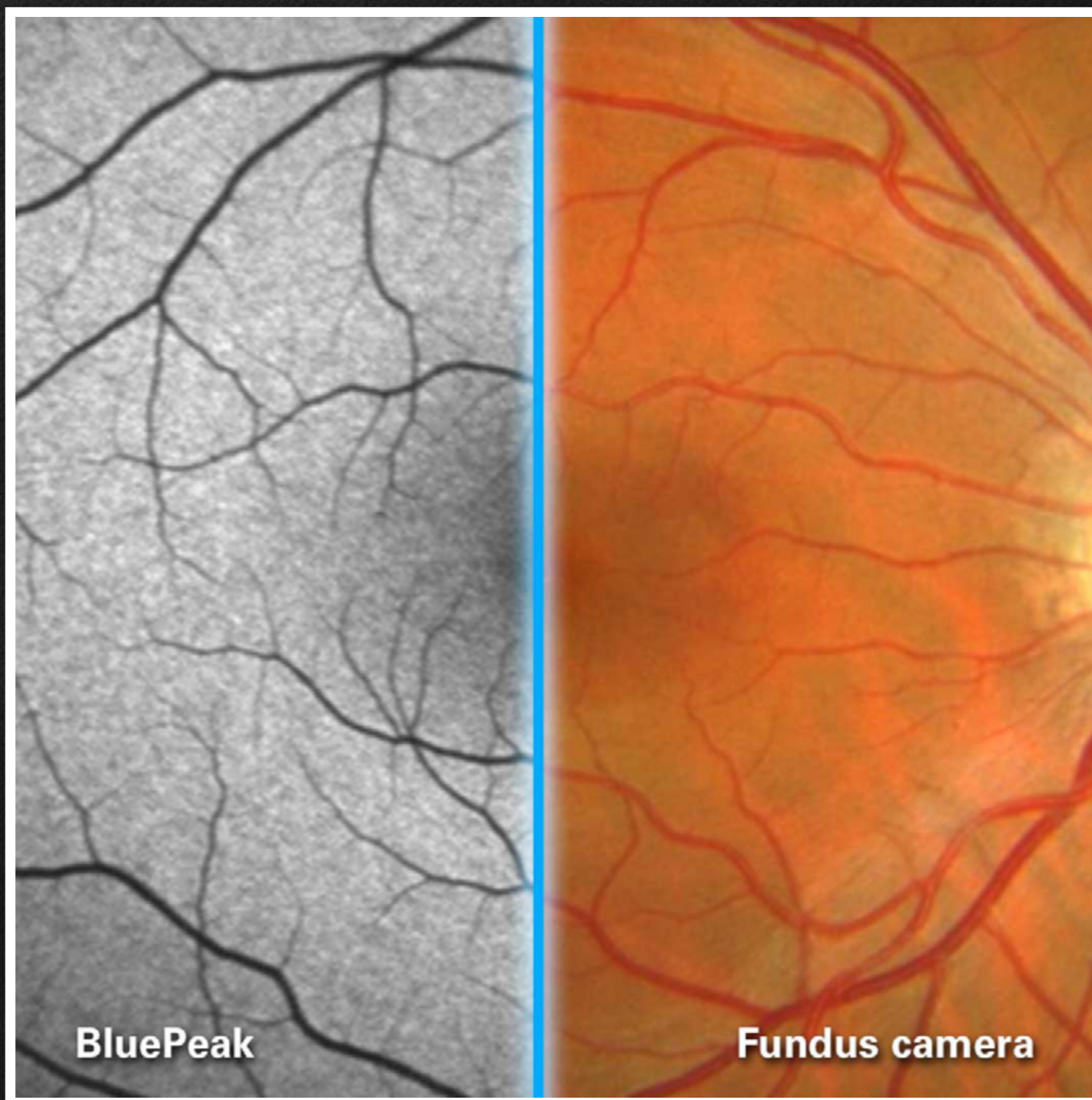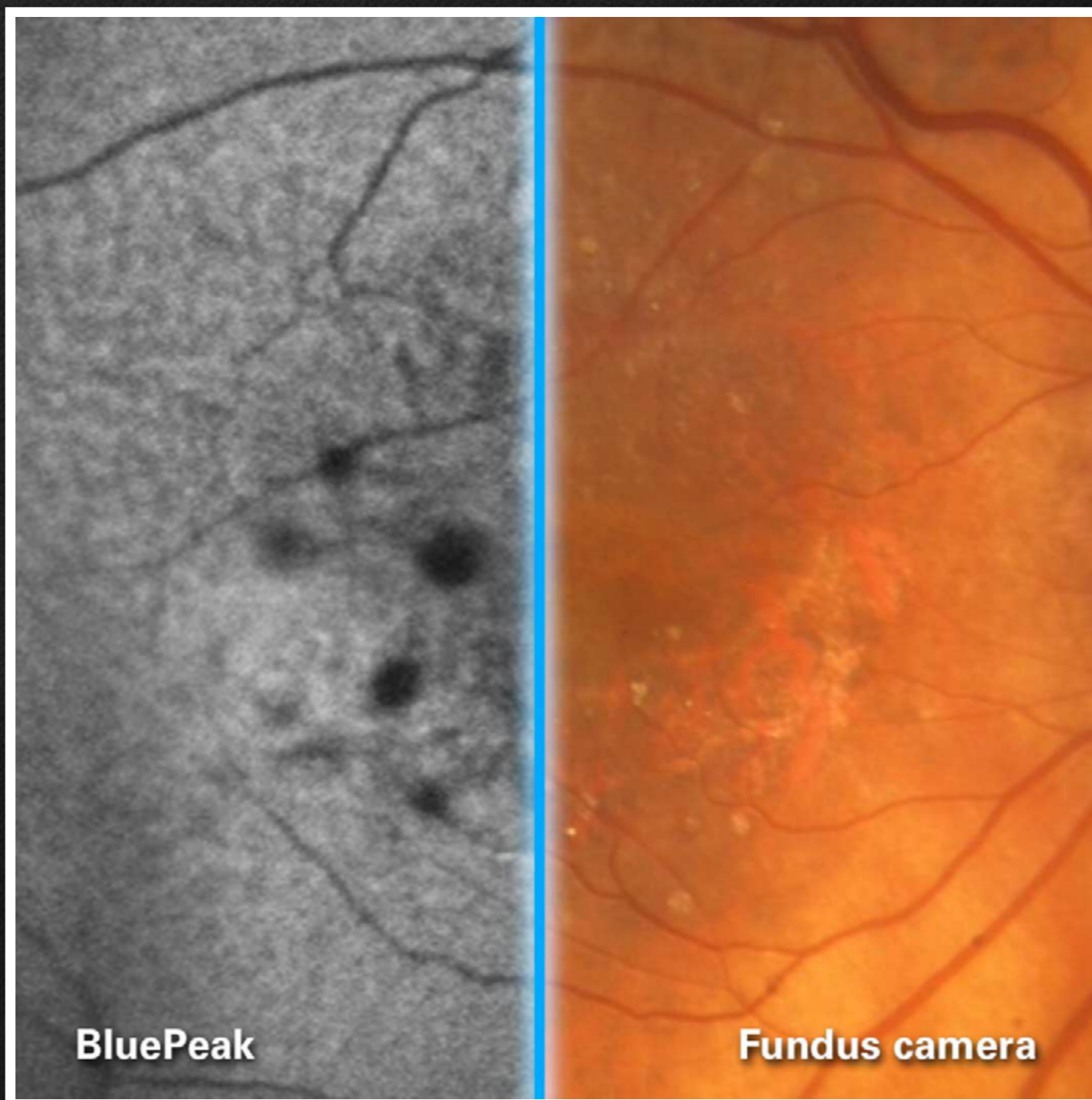Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

BluePeak

Fundus camera

Diagnostic Images
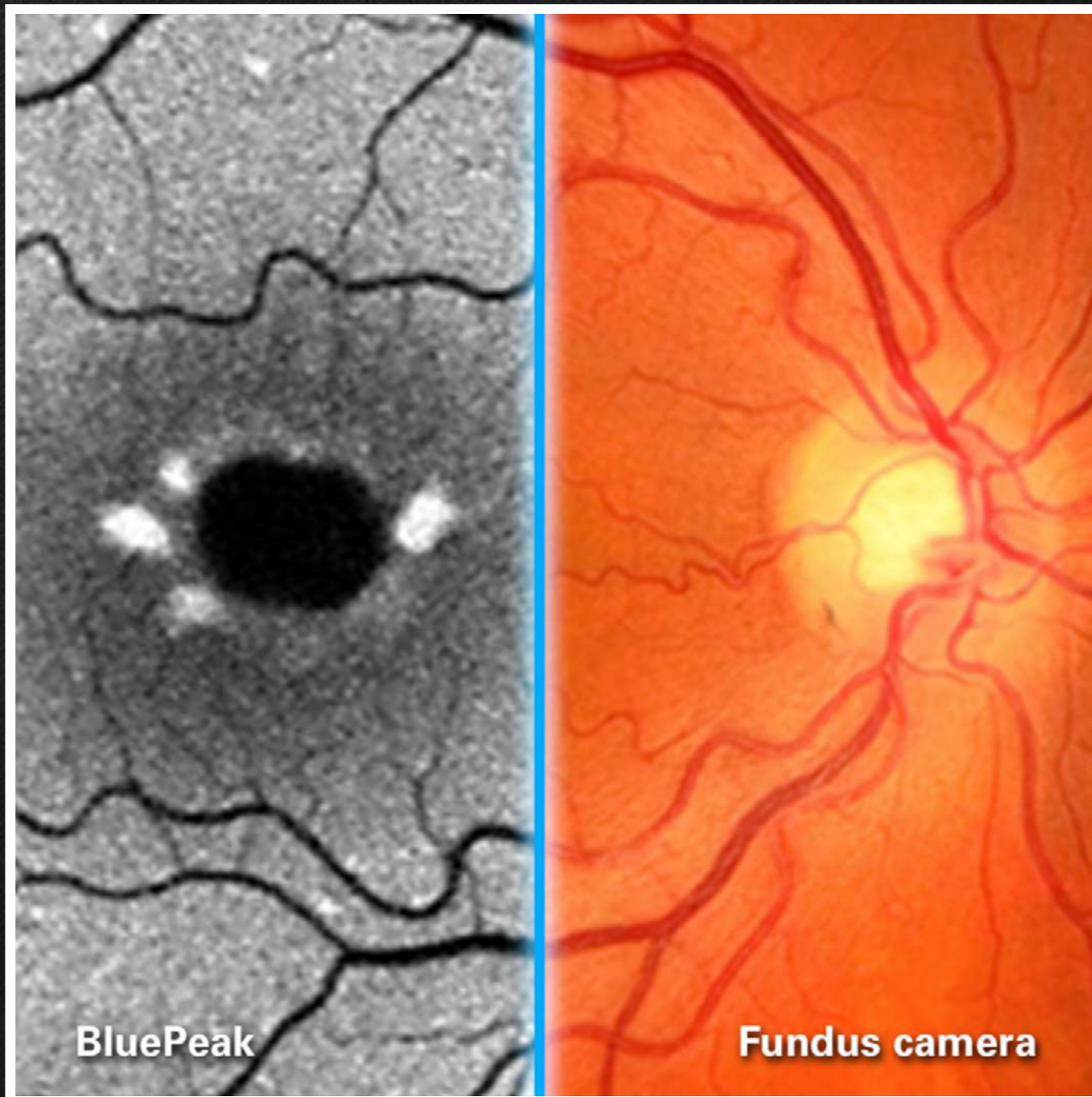
Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

BluePeak

Fundus camera

Diagnostic Images

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Image Courtesy, Prof. S. Wolf, Bern (10.03.1935)

09.07.2001

Geographic Atrophy

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

BluePeak – Blue Laser Autofluorescence

Baseline Exam

BluePeak is a non-invasive, scanning laser fundus imaging modality that provides a map of the retina which can reveal metabolic malfunction of diagnostic significance in many conditions such as AMD.

Diagnostic Images

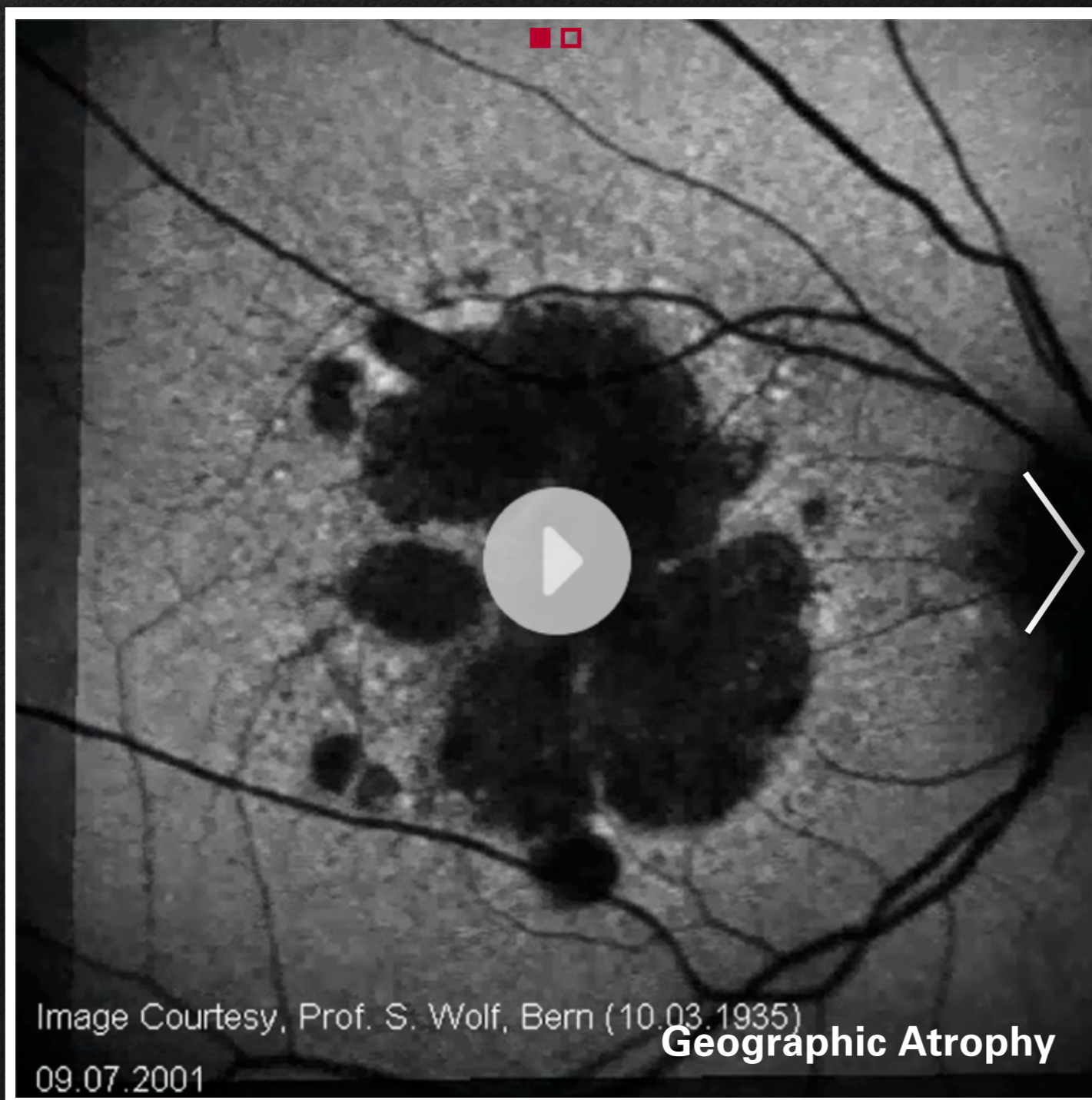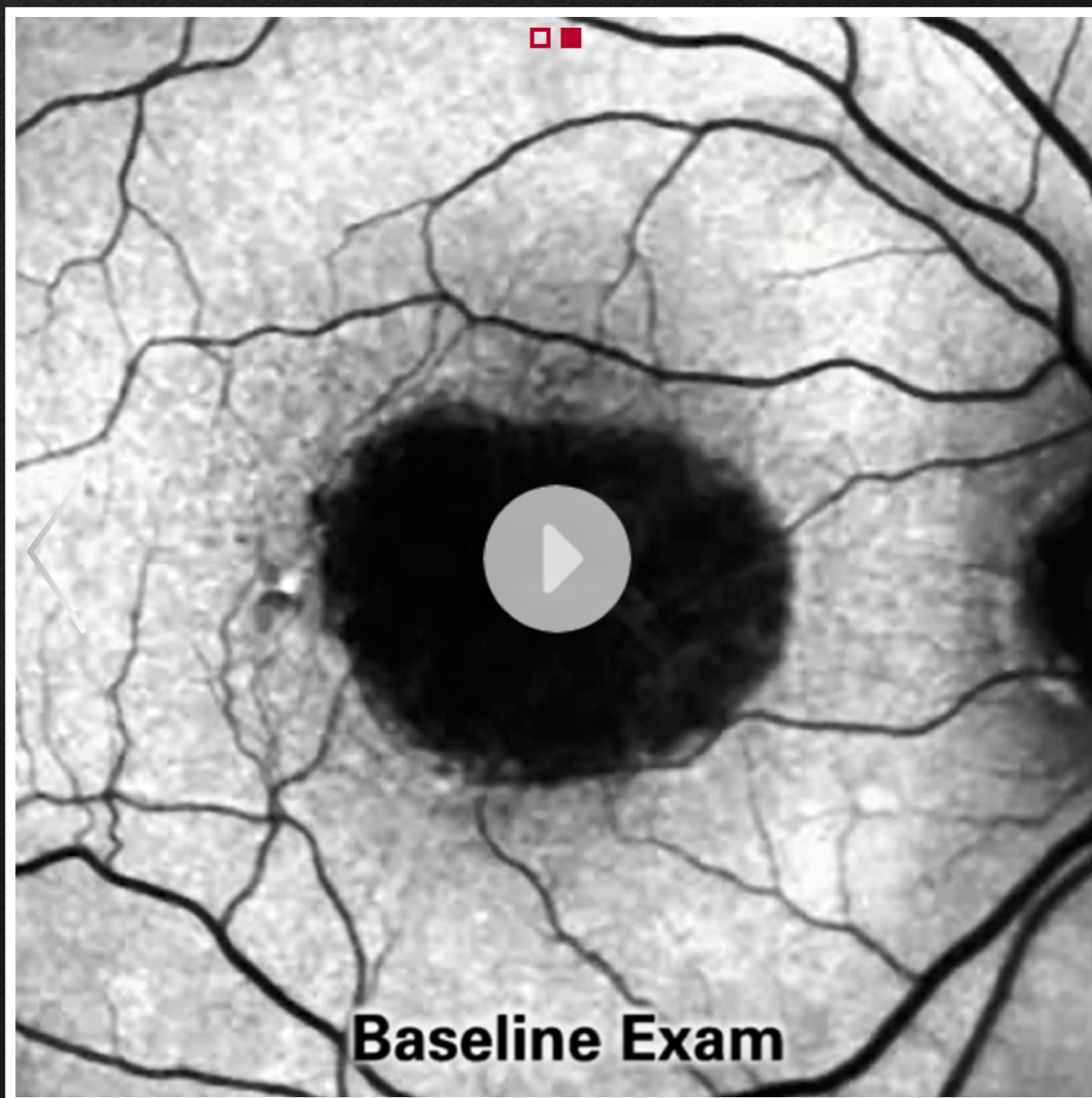Healthy Subject

Geographic Atrophy

Macular Dystrophy

Videos

i

BluePeak – Blue Laser Autofluorescence

Baseline Exam

BluePeak is a non-invasive, scanning laser fundus imaging modality which provides a map of metabolic stress in the retina using lipofuscin as an indicator. The BluePeak maps can reveal RPE and photoreceptor cell malfunctions which offer diagnostic insights into many retinal conditions such as AMD and hereditary diseases.
The key to understanding the morphologic alterations associated with functional change lies in a clear depiction of retinal layers by OCT combined with the metabolic mapping of BluePeak autofluorescence. With the RegionFinder software, diseased areas seen in BluePeak images can be quantified and followed over time.