

# Eye Morphology BCMLA\_EYE\_001

## Purpose

To detect abnormalities in eye morphology.

## Experimental Design

- **Minimum number of animals :** 7M + 7F
- **Age at test:** Week 58
- **Sex:** We do not expect the results of this test to show sexual dimorphism

## Procedure

1. Examine the anterior of both eyes (e.g. with slit lamp) and record any abnormalities
2. Test the iris/pupil light response
3. Image abnormal eyes as a minimum or all eyes if capacity permits
4. Dilate both eyes
5. Examine the anterior and posterior of both dilated eyes (e.g. with slit lamp and ophthalmoscope) and record any abnormalities
6. Image abnormal eyes as a minimum or all eyes if capacity permits

OCT:

1. Turn on the OCT and start the database
2. Anaesthetize mouse
3. Prepare mouse eyes with drops and place contact lens (focal length 10 mm) on the right eye
4. Enter mouse data in the "Create new patient file" area and switch to the "Acquisition" window
5. Move the OCT camera to the right position and activate measurement modus
6. Place mouse collaterally to the OCT camera on the right side of a platform that is fixed in front of the OCT lens
7. Search the contact lens in the live picture of the fundus image field and place the pupil of the mouse eye in the centre of the window
8. Move the OCT camera such that OCT lens and contact lens touch each other
9. Focus the fundus picture by slightly moving up/down or forward/backward
10. Save fundus images
11. Set the "Ref.Arm" ruler such that the section of the retina is placed in the centre of the blue rectangle
12. Set the mode of measurement on "vertical, horizontal line"
13. Move the blue horizontal line in the fundus image field to the optic nerve level
14. Save images of retinal sections
15. Move the OCT camera to the left position

16. Repeat measurement procedure for the left eye

#### Scheimpflug Imaging:

1. Turn on the Pentacam and start the patient data management
2. Apply one drop 0.5% Atropine to each mouse eye for pupil dilation
3. Enter mouse data in the “Patient” group box and switch to the Scan menu
4. Activate the “1 Picture” modus in the “Image Options” area
5. Move Pentacam to the right position
6. Hold the mouse on a platform such that the vertical LED 475 nm light slit is orientated in the center of the right eye ball
7. Guarantee optimal focus by using the fine adjustment software tool in the adjustment window
8. Start imaging manually by pressing the “Start Scan” button
9. Scheimpflug images are saved automatically
10. Move Pentacam to the left position
11. Repeat measurement procedure for the left eye

## Notes

- As a minimum, all abnormalities should be imaged.
  - Where capacity permits, all mice can be imaged
- Majority of parameters can be analysed using the standard approach for assessing categorical data. To increase power for analysis purposes, where an abnormality is detected in the left, right or both eyes, the data may be combined to generate one "abnormal" category.

#### Data QC

Image QC is typically performed during data collection to ensure high quality images are captured whilst eyes are dilated etc.

## Parameters and Metadata

### Images Ophthalmoscopy BCMLA\_EYE\_050\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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### Images Slit Lamp BCMLA\_EYE\_051\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Date Scheimpflug equipment last calibrated BCMLA\_EYE\_048\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Iris Pigmentation BCMLA\_EYE\_015\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data left eye, no data right eye, both eyes abnormal, left eye abnormal, no data right eye, left eye abnormal, normal, no data for both eyes, right eye abnormal, no data left eye, right eye abnormal,

---

## Eye BCMLA\_EYE\_001\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** absent left eye, absent both eyes, absent right eye, present,

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## Right anterior chamber depth BCMLA\_EYE\_061\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Left vitreous humour thickness BCMLA\_EYE\_088\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Pupil Shape BCMLA\_EYE\_012\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data left eye, right eye abnormal, no data left eye, no data for both eyes, no data right eye, left eye abnormal, no data right eye, normal, left eye abnormal, both eyes abnormal, right eye abnormal,

---

## Retina BCMLA\_EYE\_020\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Options:** no data left eye, right eye abnormal, both eyes abnormal,  
no data right eye, left eye abnormal, no data for both eyes, no data right eye,  
no data left eye, right eye abnormal, left eye abnormal, normal,

---

## Iris/Pupil BCMLA\_EYE\_010\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** both eyes abnormal, normal, left eye abnormal, no data right eye,  
no data for both eyes, no data left eye, no data left eye, right eye abnormal,  
right eye abnormal, no data right eye, left eye abnormal,

---

## B-scan of left retina BCMLA\_EYE\_073\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Right posterior chamber depth BCMLA\_EYE\_065\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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**B-scan of right retina** BCMLA\_EYE\_072\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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**Right corneal thickness** BCMLA\_EYE\_060\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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**Left total retinal thickness** BCMLA\_EYE\_068\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Iris transillumination BCMLA\_EYE\_082\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data for both eyes, no data left eye, right eye abnormal, both eyes abnormal, left eye abnormal, normal, no data left eye, no data right eye, right eye abnormal, no data right eye, left eye abnormal,

---

## Ophthalmoscope Equipment Manufacturer BCMLA\_EYE\_034\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

**Options:** Heine, Karl Storz / Nikon, Kowa, Phoenix Research Labs, Haag-Streit, Heine / Volk, Keeler LTD, Phoenix,

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## Retinal Blood Vessels Pattern BCMLA\_EYE\_026\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data for both eyes, no data right eye, both eyes abnormal, right eye abnormal, no data left eye, no data right eye, left eye abnormal, normal, no data left eye, right eye abnormal, left eye abnormal,

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## Left corneal thickness BCMLA\_EYE\_066\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

---

## Right outer nuclear layer BCMLA\_EYE\_064\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

---

## Slit Lamp Equipment ID BCMLA\_EYE\_030\_001 | v1.2

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Persistence of hyaloid vascular system BCMLA\_EYE\_027\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** no data right eye, present both eyes, absent, present left eye,  
no data right eye, present left eye, present right eye, no data left eye, present right eye,  
no data for both eyes, no data left eye,

---

## Ophthalmoscope Equipment ID BCMLA\_EYE\_033\_001 | v1.2

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

## Right eye diameter BCMLA\_EYE\_090\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** mm

---

## Scheimpflug Equipment Manufacturer BCMLA\_EYE\_041\_001 | v1.4

procedureMetadata

**Req. Analysis:** true

**Req. Upload:** false

**Is Annotated:** false

**Options:** Oculus GmbH,

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## General Anesthetic BCMLA\_EYE\_045\_001 | v1.1

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

Options: Ketamine+Xylazine, Euthatal, Isoflurane, No anesthesia, Ketamine+Medetomidine, Avertin,

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## Right total retinal thickness BCMLA\_EYE\_062\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Pupil Light Response BCMLA\_EYE\_014\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Options: normal, left eye abnormal, no data left eye, right eye abnormal, no data right eye, no data for both eyes, right eye abnormal, both eyes abnormal, no data left eye, no data right eye, left eye abnormal,

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## Topical Anesthetic BCMLA\_EYE\_044\_001 | v1.1

procedureMetadata

Req. Analysis: true

Req. Upload: true

Is Annotated: false

**Options:** No anesthesia, Oxybuprocain, Phenylephrine hydrochloride, Atropine, Hydrochloride, Mydriacyl, Atropine sulphate,

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## Slit Lamp Equipment Manufacturer BCMLA\_EYE\_031\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

**Options:** Zeiss, MuLe, Kowa, Haag-Streit, CSO, Phoenix Research Labs, Topcon,

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## Sheimpflug Lens description BCMLA\_EYE\_052\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Cornea BCMLA\_EYE\_007\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** normal, no data left eye, no data left eye, right eye abnormal, right eye abnormal, no data right eye, left eye abnormal, no data for both eyes, both eyes abnormal, no data right eye, left eye abnormal,

---

## Scheimpflug Equipment Model BCMLA\_EYE\_042\_001 | v1.4

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

**Options:** Pentacam,

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## Scheimpflug Equipment ID BCMLA\_EYE\_040\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Ophthalmoscope Lens Model BCMLA\_EYE\_089\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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# Ophthalmoscope Equipment Model BCMLA\_EYE\_035\_001 | v1.2

procedureMetadata

Req. Analysis: true                      Req. Upload: false                      Is Annotated: false

**Options:** OMEGA 180 / Superfield NC, Micron III, Genesis, Genesis-DF, Genesis-D, Omega 180 / 60D, Omega 500 Unplugged, Xenon Nova 175W light source + HOPKINS optic 1218AA /Nikon D5100 + 85 mm f/1.8 lens, SL4 4AA, Sigma 150K,

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# Fusion between cornea and lens BCMLA\_EYE\_018\_001 | v1.0

simpleParameter

Req. Analysis: false                      Req. Upload: false                      Is Annotated: true

**Options:** no data right eye, present left eye, no data right eye, no data left eye, present right eye, absent, no data left eye, present right eye, present left eye, present both eyes, no data for both eyes,

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# Left posterior chamber depth BCMLA\_EYE\_071\_001 | v1.2

simpleParameter

Req. Analysis: false                      Req. Upload: false                      Is Annotated: true

Unit Measured: um

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# Slit Lamp Equipment Model BCMLA\_EYE\_032\_001 | v1.2

procedureMetadata

Req. Analysis: true      Req. Upload: false      Is Annotated: false

Options: BQ 900 LED/IM-900, SL130, Micron III slit lamp extension, SL-7E, SL 139, SL-15, SL30, S350, 30 SL-M, SL 990,

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# Right vitreous humor thickness BCMLA\_EYE\_087\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: true

Unit Measured: um

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# Slit Lamp observation BCMLA\_EYE\_028\_001 | v1.1

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: false

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# Optical Coherence Tomography Equipment Manufacturer

BCMLA\_EYE\_038\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

Options: Heidelberg Engineering, Bioptigen,

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**Min right eye lens density** BCMLA\_EYE\_057\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: %

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**Left outer nuclear layer** BCMLA\_EYE\_070\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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**Date Ophthalmoscope equipment last calibrated** BCMLA\_EYE\_047\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Retina (combined) BCMLA\_EYE\_092\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

### Derivation:

retinaCombined('BCMLA\_EYE\_020\_001', 'BCMLA\_EYE\_021\_001', 'BCMLA\_EYE\_022\_001')

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## Dilation Method BCMLA\_EYE\_043\_001 | v1.0

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Options:** Tropicamide+Phenylephrin, Tropicamide, Phenylephrine hydrochloride, Cyclopentolate hydrochloride+Phenylephrine hydrochloride, Cyclopentolate hydrochloride, None, Atropine sulphate, Atropine,

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## Retinal Pigmentation BCMLA\_EYE\_021\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Options:** left eye abnormal, no data left eye, no data left eye, right eye abnormal, right eye abnormal, no data right eye, no data right eye, left eye abnormal, no data for both eyes, normal, both eyes abnormal,

---

**B-scan of right cornea and lens** BCMLA\_EYE\_076\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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**Experimenter ID** BCMLA\_EYE\_036\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: true

Is Annotated: false

---

**B-scan of left cornea and lens** BCMLA\_EYE\_077\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

---

**Retinal Blood Vessels Structure** BCMLA\_EYE\_025\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** left eye abnormal, no data right eye, left eye abnormal, both eyes abnormal, right eye abnormal, no data left eye, no data for both eyes, no data left eye, right eye abnormal, normal, no data right eye,

---

## Corneal opacity BCMLA\_EYE\_008\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** present left eye, no data right eye, present left eye, no data right eye, present both eyes, no data for both eyes, no data left eye, no data left eye, present right eye, absent, present right eye,

---

## Optical Coherence Tomography Equipment ID BCMLA\_EYE\_03

7\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Optic Disc BCMLA\_EYE\_023\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** no data left eye, both eyes abnormal, no data right eye, left eye abnormal, right eye abnormal, no data right eye, no data for both eyes, normal, left eye abnormal, no data left eye, right eye abnormal,

---

**VIP of right fundus** BCMLA\_EYE\_074\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Date Slit Lamp equipment last calibrated** BCMLA\_EYE\_046\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**VIP of right eye** BCMLA\_EYE\_078\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Max left eye lens density** BCMLA\_EYE\_055\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: %

## VIP of left fundus BCMLA\_EYE\_075\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

---

## Optical Coherence Tomography Equipment Model BCMLA\_E

YE\_039\_001 | v1.2

procedureMetadata

Req. Analysis: true

Req. Upload: false

Is Annotated: false

Options: Spectralis, Envisu R2200, EnvisuTM R-Series SDOIS,

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## Vitreous BCMLA\_EYE\_083\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Options: no data right eye, left eye abnormal, no data for both eyes, normal, right eye abnormal, no data left eye, no data right eye, left eye abnormal, no data left eye, right eye abnormal, both eyes abnormal,

---

## Lacrimation BCMLA\_EYE\_086\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present left eye, no data right eye, present left eye, no data for both eyes, present both eyes, no data right eye, no data left eye, absent, present right eye, no data left eye, present right eye,

---

## Synechia BCMLA\_EYE\_019\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** no data left eye, absent, present left eye, present both eyes, no data left eye, present right eye, no data for both eyes, present right eye, no data right eye, no data right eye, present left eye,

---

## Lens BCMLA\_EYE\_016\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** true

**Options:** right eye abnormal, both eyes abnormal, no data right eye, left eye abnormal, no data for both eyes, normal, left eye abnormal, no data right eye, no data left eye, no data left eye, right eye abnormal,

---

# Right inner nuclear layer BCMLA\_EYE\_063\_001 | v1.2

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: true

Unit Measured: um

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# Mean right eye lens density BCMLA\_EYE\_059\_001 | v1.1

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: true

Unit Measured: %

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# Corneal mineralization BCMLA\_EYE\_084\_001 | v1.0

simpleParameter

Req. Analysis: false      Req. Upload: false      Is Annotated: true

**Options:** no data for both eyes, present both eyes, no data right eye, present left eye,  
no data right eye, no data left eye, present right eye, absent, present right eye,  
present left eye, no data left eye,

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# Left eye diameter BCMLA\_EYE\_091\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: mm

---

## Left anterior chamber depth BCMLA\_EYE\_067\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Pupil Position BCMLA\_EYE\_011\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** left eye abnormal, no data right eye, no data left eye, right eye abnormal, no data left eye, no data for both eyes, normal, both eyes abnormal, right eye abnormal, no data right eye, left eye abnormal,

---

## Narrow eye opening BCMLA\_EYE\_006\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data right eye, left eye abnormal, normal, right eye abnormal, left eye abnormal, no data right eye, no data left eye, right eye abnormal, both eyes abnormal, no data left eye, no data for both eyes,

---

**Scheimpflug description** BCMLA\_EYE\_053\_001 | v1.0

simpleParameter

**Req. Analysis:** false                      **Req. Upload:** false                      **Is Annotated:** false

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**Mean left eye lens density** BCMLA\_EYE\_056\_001 | v1.1

simpleParameter

**Req. Analysis:** false                      **Req. Upload:** false                      **Is Annotated:** true

**Unit Measured:** %

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**Eye Hemorrhage or Blood Presence** BCMLA\_EYE\_003\_001 | v1.0

simpleParameter

**Req. Analysis:** false                      **Req. Upload:** false                      **Is Annotated:** true

**Options:** present both eyes, no data left eye, present right eye, present left eye, no data right eye, present left eye, no data for both eyes, absent, no data right eye, no data left eye, present right eye,

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## Eyelid morphology BCMLA\_EYE\_004\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data right eye, left eye abnormal, no data left eye, no data right eye, left eye abnormal, no data left eye, right eye abnormal, right eye abnormal, both eyes abnormal, no data for both eyes, normal,

---

## Ophthalmoscope Observation BCMLA\_EYE\_029\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Eyelid closure BCMLA\_EYE\_005\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data right eye, both eyes closed, right eye closed, no data for both eyes, no data right eye, left eye closed, normal, left eye closed, no data left eye, no data left eye, right eye closed,

---

## Retinal Blood Vessels BCMLA\_EYE\_024\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: true

**Options:** right eye abnormal, no data left eye, right eye abnormal, no data left eye, normal, left eye abnormal, no data for both eyes, both eyes abnormal, no data right eye, no data right eye, left eye abnormal,

---

## Retinal Structure BCMLA\_EYE\_022\_001 | v1.1

simpleParameter

Req. Analysis: false

Req. Upload: true

Is Annotated: false

**Options:** normal, no data right eye, no data left eye, right eye abnormal, right eye abnormal, no data right eye, left eye abnormal, left eye abnormal, no data left eye, no data for both eyes, both eyes abnormal,

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## Date OCT equipment last calibrated BCMLA\_EYE\_049\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Pupil Dilation BCMLA\_EYE\_013\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** right eye dilated, no data left eye, no data for both eyes,  
no data left eye, right eye dilated, no data right eye, normal, both eyes dilated,  
no data right eye, left eye dilated, left eye dilated,

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## Corneal vascularization BCMLA\_EYE\_009\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Options:** present right eye, no data right eye, present left eye, present both eyes, absent,  
present left eye, no data left eye, present right eye, no data for both eyes, no data right eye,  
no data left eye,

---

## Max right eye lens density BCMLA\_EYE\_058\_001 | v1.1

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** true

**Unit Measured:** %

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## Left inner nuclear layer BCMLA\_EYE\_069\_001 | v1.2

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

Unit Measured: um

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## Bulging eye BCMLA\_EYE\_002\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data left eye, present left eye, no data for both eyes, absent, present both eyes, present right eye, no data right eye, no data left eye, present right eye, no data right eye, present left eye,

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## VIP of left eye BCMLA\_EYE\_079\_001 | v1.1

seriesMediaParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

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## Corneal ulcer BCMLA\_EYE\_085\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: true

**Options:** no data left eye, no data for both eyes, no data right eye, present left eye, absent, present both eyes, present left eye, present right eye, no data right eye, no data left eye, present right eye,

---

**Min left eye lens density** BCMLA\_EYE\_054\_001 | v1.2

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** true

**Unit Measured:** %

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**Corneal Sclerization** BCMLA\_EYE\_080\_001 | v1.1

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** true

**Options:** no data right eye, present left eye, no data left eye, present right eye, present left eye, present both eyes, absent, no data right eye, present right eye, no data left eye, no data for both eyes,

---

**Corneal deposits** BCMLA\_EYE\_081\_001 | v1.1

simpleParameter

**Req. Analysis:** false      **Req. Upload:** false      **Is Annotated:** true

**Options:** no data left eye, present right eye, no data right eye, present left eye,  
no data left eye, present right eye, no data right eye, no data for both eyes,  
present both eyes, present left eye, absent,

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**Lens Opacity** BCMLA\_EYE\_017\_001 | v1.0

simpleParameter

**Req. Analysis:** false      **Req. Upload:** true      **Is Annotated:** true

**Options:** no data right eye, present left eye, no data for both eyes,  
no data left eye, present right eye, no data right eye, no data left eye, present both eyes,  
present right eye, absent, present left eye,

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