Supplemental Materials - OCT

When two eyes are shown, the study eye has a yellow highlight over OD or OS.

Figure 6a is subject I010, 6b is I042 and 6c is I006.


I029 has superonasal OCT damage but no temporal wedge defect on perimetry.
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Average RNFL Thickness</td>
<td>103 µm</td>
<td>106 µm</td>
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<tr>
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<td>70%</td>
<td></td>
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<tr>
<td>Rim Area</td>
<td>1.56 mm²</td>
<td>1.51 mm²</td>
</tr>
<tr>
<td>Disc Area</td>
<td>1.55 mm²</td>
<td>1.52 mm²</td>
</tr>
<tr>
<td>Average C/D Ratio</td>
<td>0.07</td>
<td>0.10</td>
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<td>Vertical C/D Ratio</td>
<td>0.06</td>
<td>0.07</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.000 mm³</td>
<td>0.005 mm³</td>
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Disc Center (-0.04, -0.03) mm

RNFL Circular Tomogram

Comments

Doctor's Signature

Analysis Edited: 7/12/2016 2:05 PM
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

OD

RNFL Thickness Map

<table>
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<td>Disc Area</td>
<td>1.88 mm²</td>
<td>X</td>
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<tr>
<td>Average C/D Ratio</td>
<td>0.06</td>
<td>X</td>
</tr>
<tr>
<td>Vertical C/D Ratio</td>
<td>0.06</td>
<td>X</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.000 mm²</td>
<td>X</td>
</tr>
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RNFL Deviation Map

Disc Center (-0.33, 0.12) mm

RNFL Thickness

Neuro-retinal Rim Thickness

Extracted Horizontal Tomogram

RNFL Circular Tomogram

RNFL Quadrants

Doctor's Signature

Oct 3
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

OD

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<tr>
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<td>Rim Area</td>
<td>1.61 mm²</td>
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<td>Disc Area</td>
<td>1.85 mm²</td>
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</tr>
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<td>Average C/D Ratio</td>
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<td>Vertical C/D Ratio</td>
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</tr>
<tr>
<td>Cup Volume</td>
<td>0.049 mm³</td>
<td>X</td>
</tr>
</tbody>
</table>

Disc Center (0.21, -0.18) mm

RNFL Symmetry

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

- **Average RNFL Thickness**: 91 µm (OD), X (OS)
- **RNFL Symmetry**: X (OD), X (OS)
- **Rim Area**: 1.77 mm² (OD), 1.77 mm² (OS)
- **Disc Area**: 1.77 mm² (OD), 1.77 mm² (OS)
- **Average C/D Ratio**: 0.07 (OD), 0.06 (OS)
- **Vertical C/D Ratio**: 0.06 (OD), 0.05 (OS)
- **Cup Volume**: 0.000 mm³ (OD), 0.000 mm³ (OS)

**Comments**

**Doctor’s Signature**
**ONH and RNFL OU Analysis: Optic Disc Cube 200x200**

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<thead>
<tr>
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<th>OD</th>
<th>OS</th>
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<td>Average RNFL Thickness</td>
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<td>101 µm</td>
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<tr>
<td>RNFL Symmetry</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Rim Area</td>
<td>X</td>
<td>1.65 mm²</td>
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<td>Disc Area</td>
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<td>Average C/D Ratio</td>
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<td>Vertical C/D Ratio</td>
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<td>0.06</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>X</td>
<td>0.006 mm³</td>
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**RNFL Thickness Map**

**RNFL Deviation Map**

**Disc Center** (-0.09, -0.06) mm

**Extracted Horizontal Tomogram**

**Extracted Vertical Tomogram**

**RNFL Circular Tomogram**

**RNFL Quadrants**

**RNFL Clock Hours**

**RNFL Thickness**

**Comments**

**Doctor's Signature**
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

<table>
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<tr>
<td><strong>Average RNFL Thickness</strong></td>
<td>89 µm</td>
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<tr>
<td><strong>RNFL Symmetry</strong></td>
<td>82%</td>
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<tr>
<td><strong>Rim Area</strong></td>
<td>2.79 mm²</td>
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<td><strong>Disc Area</strong></td>
<td>2.79 mm²</td>
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<tr>
<td><strong>Average C/D Ratio</strong></td>
<td>0.06</td>
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<tr>
<td><strong>Vertical C/D Ratio</strong></td>
<td>0.05</td>
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<tr>
<td><strong>Cup Volume</strong></td>
<td>0.000 mm³</td>
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</table>

**Neuro-retinal Rim Thickness**

**Disc Center (0.21, -0.27) mm**

**Extracted Horizontal Tomogram**

**Extracted Vertical Tomogram**

**RNFL Circular Tomogram**

**Comments**

**Doctor's Signature**
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

**OD**

- **RNFL Thickness Map**
- **RNFL Deviation Map**
- **Extracted Horizontal Tomogram**
- **Extracted Vertical Tomogram**
- **RNFL Circular Tomogram**

**RNFL Thickness**

- **Neuro-retinal Rim Thickness**
- **RNFL Circular Tomogram**

**Comments**

**Doctor’s Signature**
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

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<tr>
<td>Rim Area</td>
<td>2.66 mm²</td>
<td>X</td>
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<tr>
<td>Disc Area</td>
<td>2.66 mm²</td>
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<td>Cup Volume</td>
<td>0.000 mm³</td>
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Disc Center: (0.03, 0.18) mm

RNFL Thickness

Neuro-retinal Rim Thickness

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature

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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

OD

RNFL Thickness Map

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<tr>
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<tr>
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<td>Rim Area</td>
<td>1.78 mm²</td>
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<td>1.77 mm²</td>
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<td>Vertical C/D Ratio</td>
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<td>X</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.000 mm³</td>
<td>X</td>
</tr>
</tbody>
</table>

Disc Center (-0.21, 0.18) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Comments

Doctor's Signature

Oct3
Name: I013-V1D
ID: I013-V1D
DOB: 8/5/2016
Exam Date: 8/5/2016
Exam Time: 4:02 PM
Serial Number: 5000-2495
Technician: OPERATOR, CIRRUS
Signal Strength: 8/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

**OD**

- **Average RNFL Thickness**: 49 µm
- **RNFL Symmetry**: X
- **Rim Area**: 1.74 mm²
- **Disc Area**: 2.10 mm²
- **Average C/D Ratio**: 0.41
- **Vertical C/D Ratio**: 0.33
- **Cup Volume**: 0.018 mm³

**OS**

- **RNFL Deviation Map**
- **Disc Center**: (-0.09, 0.03) mm
- **Extracted Horizontal Tomogram**
- **Extracted Vertical Tomogram**
- **RNFL Circular Tomogram**

**Comments**

**Doctor’s Signature**

Oct3
SW Ver: 8.1.0.117
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Page 1 of 1
Name: 1014-V1D
ID: I014-V1D
DOB: 8/8/2016
Gender: Male
Technician: Operator, Cirrus
Exam Date: 8/8/2016
Exam Time: 10:01 AM
University of Iowa - CIRRUS
Serial Number: 5000-6824
Signal Strength: 8/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

RNFL Thickness Map

- Average RNFL Thickness: OD 59 µm, OS 55 µm
- RNFL Symmetry: 49%
- Rim Area: OD 2.52 mm², OS 3.21 mm²
- Disc Area: OD 2.52 mm², OS 3.21 mm²
- Average C/D Ratio: OD 0.06, OS 0.05
- Vertical C/D Ratio: OD 0.05, OS 0.04
- Cup Volume: OD 0.000 mm³, OS 0.000 mm³

RNFL Deviation Map

- Disc Center (-0.21, 0.03) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Neuro-retinal Rim Thickness

- Disc Center (0.00, -0.03) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature

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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

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<td>Average C/D Ratio</td>
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<td>Vertical C/D Ratio</td>
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<td>X</td>
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<tr>
<td>Cup Volume</td>
<td>0.019 mm³</td>
<td>X</td>
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Comments

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ONH and RNFL OU Analysis: Optic Disc Cube 200x200

RNFL Thickness Map

Average RNFL Thickness

OD | OS
---|---
108 µm | 115 µm

RNFL Symmetry 87%

Rim Area 2.31 mm² | 2.42 mm²
Disc Area 2.31 mm² | 2.43 mm²
Average C/D Ratio 0.06 | 0.06
Vertical C/D Ratio 0.05 | 0.05
Cup Volume 0.000 mm³ | 0.000 mm³

Disc Center (-0.09, -0.36) mm

RNFL Deviation Map

Neuro-retinal Rim Thickness

RNFL Thickness

Disc Center (0.18, 0.12) mm

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

<table>
<thead>
<tr>
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<tr>
<td>Average RNFL Thickness</td>
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<td>139 µm</td>
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<td>RNFL Symmetry</td>
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<td>Rim Area</td>
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<td>2.47 mm²</td>
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<tr>
<td>Disc Area</td>
<td>X</td>
<td>2.47 mm²</td>
</tr>
<tr>
<td>Average C/D Ratio</td>
<td>X</td>
<td>0.06</td>
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<tr>
<td>Vertical C/D Ratio</td>
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<td>0.05</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>X</td>
<td>0.000 mm³</td>
</tr>
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RNFL Thickness

RNFL Deviation Map

Disc Center: (-0.21,-0.15) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Comments

Doctor's Signature

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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

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<td>AO</td>
<td>100 µm</td>
<td>99 µm</td>
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<tr>
<td>RNFL Symmetry</td>
<td>77%</td>
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<td>Rim Area</td>
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<td>1.32 mm²</td>
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<td>Cup Volume</td>
<td>0.000 mm³</td>
<td>0.000 mm³</td>
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RNFL Deviation Map

Disc Center (-0.03, 0.12) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL thickness map

Neuro-retinal Rim Thickness

Disc Center (0.06, 0.03) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature

9/19/2016
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

OD

RNFL Thickness Map

Average RNFL Thickness
261 µm

RNFL Symmetry

Rim Area
2.20 mm²

Disc Area
2.18 mm²

Average C/D Ratio
0.06

Vertical C/D Ratio
0.05

Cup Volume
0.000 mm³

RNFL Deviation Map

Disc Center (0.15, 0.03) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Neuro-retinal Rim Thickness

Disc Area
2.18 mm²

Average C.O Ratio
0.06

Vertical C.O Ratio
0.05

Cup Volume
0.000 mm³

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature

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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

**OD**

**RNFL Thickness Map**

- Average RNFL Thickness: 100 µm
- RNFL Symmetry: X
- Rim Area: 1.44 mm²
- Disc Area: 1.63 mm²
- Average C/D Ratio: 0.34
- Vertical C/D Ratio: 0.39
- Cup Volume: 0.047 mm³

**RNFL Deviation Map**

**Extracted Horizontal Tomogram**

**Extracted Vertical Tomogram**

**RNFL Circular Tomogram**

**Neuro-retinal Rim Thickness**

**RNFL Quadrants**

**RNFL Clock Hours**
## ONH and RNFL OU Analysis: Optic Disc Cube 200x200

### OD

<table>
<thead>
<tr>
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<th>Value</th>
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<tbody>
<tr>
<td>Average RNFL Thickness</td>
<td>182 µm</td>
</tr>
<tr>
<td>RNFL Symmetry</td>
<td>45%</td>
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<tr>
<td>Rim Area</td>
<td>2.54 mm²</td>
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<tr>
<td>Disc Area</td>
<td>2.50 mm²</td>
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<tr>
<td>Average C/D Ratio</td>
<td>0.06</td>
</tr>
<tr>
<td>Vertical C/D Ratio</td>
<td>0.05</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.000 mm³</td>
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### OS

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<th>Value</th>
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<tbody>
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<td>251 µm</td>
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<tr>
<td>RNFL Symmetry</td>
<td>45%</td>
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<td>Rim Area</td>
<td>1.91 mm²</td>
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<td>Disc Area</td>
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<td>Average C/D Ratio</td>
<td>0.07</td>
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<tr>
<td>Vertical C/D Ratio</td>
<td>0.06</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.000 mm³</td>
</tr>
</tbody>
</table>

### Neuro-retinal Rim Thickness

- Disc Center: (-0.42, -0.31) mm
- Extracted Horizontal Tomogram
- Extracted Vertical Tomogram
- RNFL Circular Tomogram

### RNFL Deviation Map

- Disc Center: (0.00, 0.09) mm

### RNFL Thickness Map

- Oct3

---

**Comments**

Analysis Edited: 10/21/2016 12:29 PM

**Doctor's Signature**
Name: I022-V1D
ID: 1022-V1D
Exam Date: 11/21/2016 11/21/2016
University of Iowa - CIRRUS
DOB: Exam Time: 10:15 AM 10:16 AM
Gender: Serial Number: 5000-6824 5000-6824
Technician: Operator, Cirrus Signal Strength: 8/10 6/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

- RNFL Thickness Map
  - Average RNFL Thickness: 88 µm (OD), 79 µm (OS)
  - RNFL Symmetry: 91%
  - Rim Area: 1.96 mm² (OD), 2.12 mm² (OS)
  - Disc Area: 1.90 mm² (OD), 2.13 mm² (OS)
  - Average C/D Ratio: 0.06 (OD), 0.10 (OS)
  - Vertical C/D Ratio: 0.06 (OD), 0.10 (OS)
  - Cup Volume: 0.000 mm³ (OD), 0.006 mm³ (OS)

- RNFL Deviation Map
  - Disc Center (-0.03, -0.03) mm
  - Extracted Horizontal Tomogram
  - Extracted Vertical Tomogram
  - RNFL Circular Tomogram

- Neuro-retinal Rim Thickness
  - OD: 800 µm, OS: 600 µm
  - Disc Center (-0.15, 0.15) mm
  - Extracted Horizontal Tomogram
  - Extracted Vertical Tomogram
  - RNFL Circular Tomogram

- RNFL Quadrants
  - Quadrant 1: 122, Quadrant 2: 74, Quadrant 3: 83, Quadrant 4: 58

- RNFL Clock Hours
  - OD: 586, OS: 586

Comments

Doctor's Signature

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ONH and RNFL OU Analysis: Optic Disc Cube 200x200

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<th>OD</th>
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<tbody>
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<td>82 µm</td>
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<tr>
<td>RNFL Symmetry</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Rim Area</td>
<td>X</td>
<td>1.44 mm²</td>
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<tr>
<td>Disc Area</td>
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<td>Average C/D Ratio</td>
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<td>0.15</td>
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<tr>
<td>Vertical C/D Ratio</td>
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<td>0.09</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>X</td>
<td>0.006 mm³</td>
</tr>
</tbody>
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RNFL Thickness Map

RNFL Deviation Map

Disc Center (-0.27, 0.15) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Comments
Name: 1025-V2D
Exam Date: 1/4/2017
University of Iowa - CIRRUS
DOB: 1025-V2D
Exam Time: 3:27 PM
Gender: OPERATOR, CIRRUS
Serial Number: 5000-2495
Signal Strength: 9/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

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<tr>
<td>Rim Area</td>
<td>2.11 mm²</td>
<td>X</td>
</tr>
<tr>
<td>Disc Area</td>
<td>2.14 mm²</td>
<td>X</td>
</tr>
<tr>
<td>Average C/D Ratio</td>
<td>0.11</td>
<td>X</td>
</tr>
<tr>
<td>Vertical C/D Ratio</td>
<td>0.10</td>
<td>X</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.008 mm³</td>
<td>X</td>
</tr>
</tbody>
</table>

Average RNFL Thickness 145 µm
RNFL Symmetry
Rim Area 2.11 mm²
Disc Area 2.14 mm²
Average C/D Ratio 0.11
Vertical C/D Ratio 0.10
Cup Volume 0.008 mm³

Disc Center (0.33, 0.36) mm

RNFL Deviation Map

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature

Oct3
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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

RNFL Thickness Map

RNFL Deviation Map

Disc Center (0.18, 0.09) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Neuro-retinal Rim Thickness

RNFL Thickness

Disc Center (0.12, 0.05) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Thickness Map

RNFL Deviation Map

Disc Center (0.18, 0.09) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Neuro-retinal Rim Thickness

RNFL Thickness

Disc Center (0.12, 0.05) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Thickness Map

RNFL Deviation Map

Disc Center (0.18, 0.09) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Neuro-retinal Rim Thickness

RNFL Thickness

Disc Center (0.12, 0.05) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Comments

Doctor's Signature
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

Average RNFL Thickness:
- OD: 170 µm
- OS: 173 µm

RNFL Symmetry: 85%

Rim Area:
- OD: 1.73 mm²
- OS: 1.82 mm²

Disc Area:
- OD: 1.70 mm²
- OS: 1.83 mm²

Average C/D Ratio:
- OD: 0.07
- OS: 0.07

Vertical C/D Ratio:
- OD: 0.06
- OS: 0.05

Cup Volume:
- OD: 0.000 mm³
- OS: 0.000 mm³

Disc Center:
OD: (0.06, -0.21) mm
OS: (0.24, -0.30) mm

Extracted Horizontal Tomogram
Extracted Vertical Tomogram
RNFL Circular Tomogram

Neuro-retinal Rim Thickness
- OD
- OS

RNFL Quadranst
- S
- T
- N
- I

RNFL Clock Hours
- 220
- 225
- 230
- 239
- 237
- 240
- 243
- 194
- 222
- 250
- 259
- 220

Comments

Doctor's Signature
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

<table>
<thead>
<tr>
<th></th>
<th>OD</th>
<th>OS</th>
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<tbody>
<tr>
<td>Average RNFL Thickness</td>
<td>X</td>
<td>83 μm</td>
</tr>
<tr>
<td>RNFL Symmetry</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Rim Area</td>
<td>X</td>
<td>1.66 mm²</td>
</tr>
<tr>
<td>Disc Area</td>
<td>X</td>
<td>1.66 mm²</td>
</tr>
<tr>
<td>Average C/D Ratio</td>
<td>X</td>
<td>0.07</td>
</tr>
<tr>
<td>Vertical C/D Ratio</td>
<td>X</td>
<td>0.06</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>X</td>
<td>0.000 mm³</td>
</tr>
</tbody>
</table>

RNFL Thickness Map

RNFL Deviation Map

Disc Center (0.24, -0.57) mm
Extracted Horizontal Tomogram
Extracted Vertical Tomogram
RNFL Circular Tomogram

Comments

Doctor's Signature
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

**OD**

- **Average RNFL Thickness**: 132 µm
- **RNFL Symmetry**: 19%
- **Rim Area**: 2.46 mm²
- **Disc Area**: 2.46 mm²
- **Average C/D Ratio**: 0.06
- **Vertical C/D Ratio**: 0.05
- **Cup Volume**: 0.000 mm³

**OS**

- **Average RNFL Thickness**: 89 µm
- **RNFL Symmetry**: 19%
- **Rim Area**: 1.96 mm²
- **Disc Area**: 1.96 mm²
- **Average C/D Ratio**: 0.06
- **Vertical C/D Ratio**: 0.06
- **Cup Volume**: 0.000 mm³

**Comments**

Doctor's Signature

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Page 1 of 1
Name: OD OS
ID: 1033-V1D
DOB: Exam Date: 6/29/2017 6/29/2017 CZMI
Gender: Exam Time: 11:41 AM 11:42 AM
Technician: Operator, Cirrus
Serial Number: 5000-6824 5000-6824
Signal Strength: 7/10 8/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

RNFL Thickness Map
- OD: Average RNFL Thickness 132 µm
- OS: Average RNFL Thickness 111 µm

RNFL Symmetry 87%

Rim Area: OD 1.83 mm², OS 2.72 mm²
Disc Area: OD 1.83 mm², OS 2.72 mm²
Average C/D Ratio: OD 0.07, OS 0.06
Vertical C/D Ratio: OD 0.06, OS 0.05
Cup Volume: OD 0.000 mm³, OS 0.000 mm³

Disc Center: (0.60, 0.06) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Deviation Map

Disc Center: (-0.06, 0.24) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Neuro-retinal Rim Thickness

Disc Center: (0.60, 0.06) mm

RNFL Thickness

Disc Center: (-0.06, 0.24) mm

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature

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Page 1 of 1
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

OD

OS

<table>
<thead>
<tr>
<th>Average RNFL Thickness</th>
<th>OD 149 µm</th>
<th>OS 162 µm</th>
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<tbody>
<tr>
<td>RNFL Symmetry</td>
<td>91%</td>
<td></td>
</tr>
<tr>
<td>Rim Area</td>
<td>1.90 mm²</td>
<td>3.18 mm²</td>
</tr>
<tr>
<td>Disc Area</td>
<td>1.90 mm²</td>
<td>3.18 mm²</td>
</tr>
<tr>
<td>Average C/D Ratio</td>
<td>0.06</td>
<td>0.05</td>
</tr>
<tr>
<td>Vertical C/D Ratio</td>
<td>0.06</td>
<td>0.05</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.000 mm³</td>
<td>0.000 mm³</td>
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</tbody>
</table>

Disc Center (-0.10, -0.11) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Thickness Map

RNFL Deviation Map

Neuro-retinal Rim Thickness

RNFL Thickness

RNFL Quadrants

RNFL Clock Hours

Diversified Distribution of Normals

Doctor's Signature

Analysis Edited: 7/17/2017 4:46 PM
OD OS

Exam Date: 7/25/2017 7/25/2017 CZMI
Exam Time: 12:16 PM 12:19 PM

DOB: 1035-V1D
Gender: Operator, Cirrus
Technician: 5000-6824 5000-6824

Signal Strength: 8/10 8/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

<table>
<thead>
<tr>
<th></th>
<th>OD</th>
<th>OS</th>
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<tbody>
<tr>
<td>Average RNFL Thickness</td>
<td>196 µm</td>
<td>138 µm</td>
</tr>
<tr>
<td>RNFL Symmetry</td>
<td>91%</td>
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<tr>
<td>Rim Area</td>
<td>1.96 mm²</td>
<td>2.15 mm²</td>
</tr>
<tr>
<td>Disc Area</td>
<td>1.93 mm²</td>
<td>2.15 mm²</td>
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<tr>
<td>Average C/D Ratio</td>
<td>0.06</td>
<td>0.06</td>
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<tr>
<td>Vertical C/D Ratio</td>
<td>0.06</td>
<td>0.05</td>
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<tr>
<td>Cup Volume</td>
<td>0.000 mm³</td>
<td>0.001 mm³</td>
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</tbody>
</table>

Neuro-retinal Rim Thickness

Disc Center (0.18, 0.00) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Diversified Distribution of Normals

RNFL Quadrants

RNFL Clock Hours

Doctor's Signature
Name: OD
ID: 1038-V2D
DOB: Exam Date: 11/9/2017 CZMI
Gender: Exam Time: 11:17 AM
Serial Number: 5000-2495
Technician: Operator, Cirrus
Signal Strength: 9/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

- Average RNFL Thickness: 113 µm
- RNFL Symmetry
- Rim Area: 1.98 mm²
- Disc Area: 2.00 mm²
- Average C/D Ratio: 0.12
- Vertical C/D Ratio: 0.07
- Cup Volume: 0.004 mm³

RNFL Thickness Map
RNFL Deviation Map
Disc Center (0.00, 0.18) mm
Extracted Horizontal Tomogram
Extracted Vertical Tomogram
RNFL Circular Tomogram

- Neuro-retinal Rim Thickness
- RNFL Quadrants
- RNFL Clock Hours

Comments
Doctor's Signature
Name: [Name Information]
ID: 1039-V1D
DOB: [Date of Birth Information]
Exam Date: 2/12/2018
Exam Time: 10:55 AM
Gender: [Gender Information]
Serial Number: 5000-2495
Signal Strength: 7/10
Technician: Operator, Cirrus

**ONH and RNFL OU Analysis: Optic Disc Cube 200x200**

<table>
<thead>
<tr>
<th></th>
<th>OD</th>
<th>OS</th>
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<tbody>
<tr>
<td>Average RNFL Thickness</td>
<td>105 µm</td>
<td>108 µm</td>
</tr>
<tr>
<td>RNFL Symmetry</td>
<td>94%</td>
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</tr>
<tr>
<td>Rim Area</td>
<td>1.72 mm²</td>
<td>1.66 mm²</td>
</tr>
<tr>
<td>Disc Area</td>
<td>1.80 mm²</td>
<td>1.88 mm²</td>
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<tr>
<td>Average C/D Ratio</td>
<td>0.22</td>
<td>0.35</td>
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<tr>
<td>Vertical C/D Ratio</td>
<td>0.23</td>
<td>0.39</td>
</tr>
<tr>
<td>Cup Volume</td>
<td>0.009 mm³</td>
<td>0.059 mm³</td>
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</table>

**Comments**

**Doctor's Signature**
OD OS
Exam Date: 2/12/2018  2/12/2018  CZMI
Exam Time: 4:11 PM  4:12 PM
DOB: 1040-V1D
Gender: Operator, Cirrus
Technician: Operator, Cirrus
Serial Number: 5000-6824  5000-6824
Signal Strength: 9/10  10/10

ONH and RNFL OU Analysis: Optic Disc Cube 200x200

RNFL Thickness Map
- Average RNFL Thickness
- RNFL Symmetry
- Rim Area
- Disc Area
- Average C/D Ratio
- Vertical C/D Ratio
- Cup Volume

Neuro-retinal Rim Thickness
- OD
- OS

RNFL Deviation Map
- Disc Center (0.15, 0.12) mm
- RNFL Quadrants
- RNFL Clock Hours

Extracted Horizontal Tomogram
- Extracted Vertical Tomogram
- RNFL Circular Tomogram

Comments
Doctor's Signature
OD

Exam Date: 3/26/2018  
Exam Time: 4:39 PM

RNFL Thickness Map

RNFL Deviation Map

Disc Center(-0.39,0.54)mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Average RNFL Thickness 330 µm
RNFL Symmetry X
Rim Area 3.03 mm² X
Disc Area 3.00 mm² X
Average C/D Ratio 0.05 X
Vertical C/D Ratio 0.05 X
Cup Volume 0.000 mm³ X

RNFL Thickness Map

RNFL Deviation Map

Disc Center(-0.39,0.54)mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

Average RNFL Thickness 330 µm
RNFL Symmetry X
Rim Area 3.03 mm² X
Disc Area 3.00 mm² X
Average C/D Ratio 0.05 X
Vertical C/D Ratio 0.05 X
Cup Volume 0.000 mm³ X

Neuro-retinal Rim Thickness

RNFL Quadrants

RNFL Clock Hours

Comments

Doctor's Signature
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

OD  OS

Average RNFL Thickness 171 µm 127 µm
RNFL Symmetry 80%
Rim Area 5.77 mm² 5.85 mm²
Disc Area 5.87 mm² 5.89 mm²
Average C/D Ratio 0.11 0.06
Vertical C/D Ratio 0.11 0.03
Cup Volume 0.008 mm² 0.000 mm²

Disc Center (-0.27, -0.33) mm

Extracted Horizontal Tomogram

Extracted Vertical Tomogram

RNFL Circular Tomogram

RNFL Quadrants

RNFL Clock Hours
ONH and RNFL OU Analysis: Optic Disc Cube 200x200

**OD**
- **Average RNFL Thickness**: 402 µm
- **RNFL Symmetry**: 52%
- **Rim Area**: 2.75 mm²
- **Disc Area**: 3.00 mm²
- **Average C/D Ratio**: 0.27
- **Vertical C/D Ratio**: 0.20
- **Cup Volume**: 0.022 mm³

**OS**
- **Average RNFL Thickness**: 517 µm
- **RNFL Symmetry**: 52%
- **Rim Area**: 2.49 mm²
- **Disc Area**: 2.69 mm²
- **Average C/D Ratio**: 0.27
- **Vertical C/D Ratio**: 0.05
- **Cup Volume**: 0.006 mm³

**RNFL Deviation Map**
- Disc Center (0.28, 0.22) mm

**Extracted Horizontal Tomogram**

**Extracted Vertical Tomogram**

**Disc Center (0.38, 0.57) mm**

**Extracted Horizontal Tomogram**

**Extracted Vertical Tomogram**

**RNFL Circular Tomogram**

**RNFL Circular Tomogram**

**Comments**

**Doctor's Signature**

Analysis Edited: 3/19/2018 2:55 PM