

---

# Financial Disclosure

Speaker, Martin Pearlman, M.D. has a financial interest/agreement or affiliation with Lansing Ophthalmology, where he is employed as a retina specialist.

---

# Case VC History

53 y/o physician with a 1 day history of loss of vision OS.

Past ocular history:

traumatic uveitis OD as a child

Lattice retinal degeneration OD

Pseudophakia OD

Past Medical history:

osteoarthritis

elevated cholesterol

benign prostatic hypertrophy

---

# Case VC exam

	OD	OS
V.A.	20/20	20/30
IOP	14	20
Color vision	intact	intact
Amsler Grid	WNL	metamorphopsia
SL	PCIOL	trace cat
	tr flare , no cells	No cells, flare
Periph fundus	LRD	LRD
Macula	No def ME	+/-ME

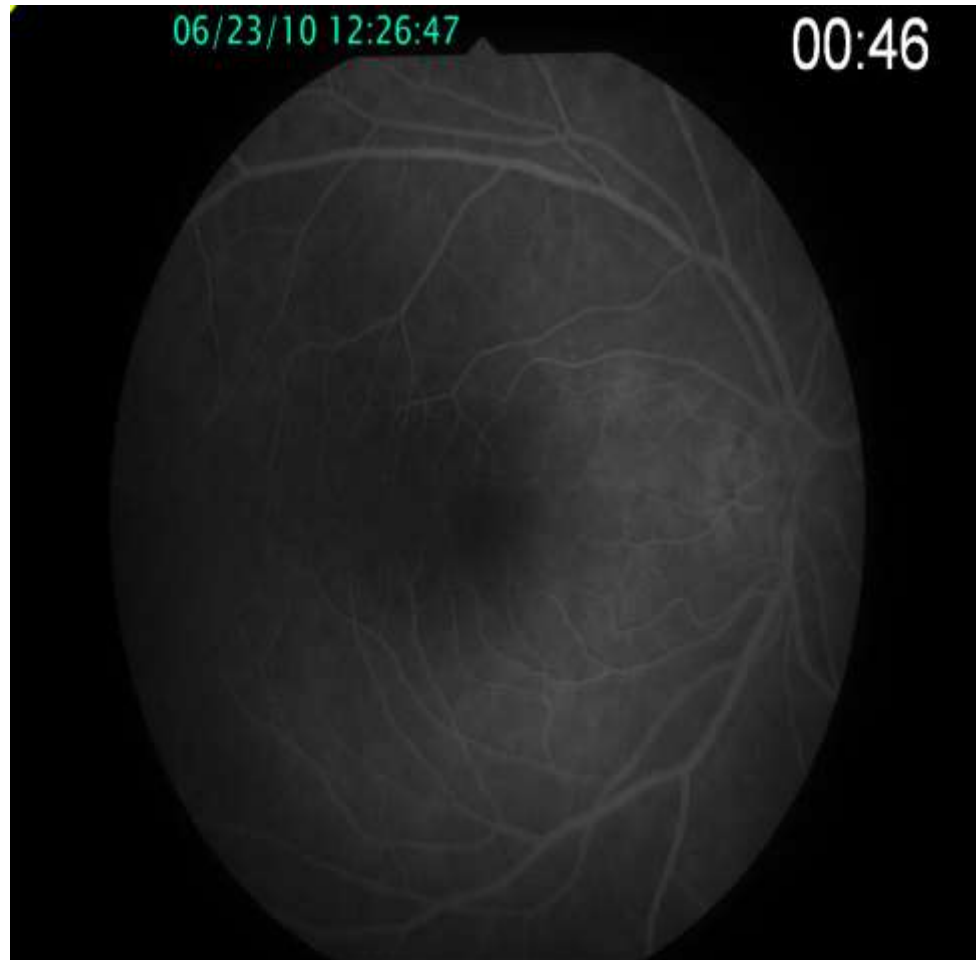
---

# Case VC



---

# Case VC



---

# Case VC



---

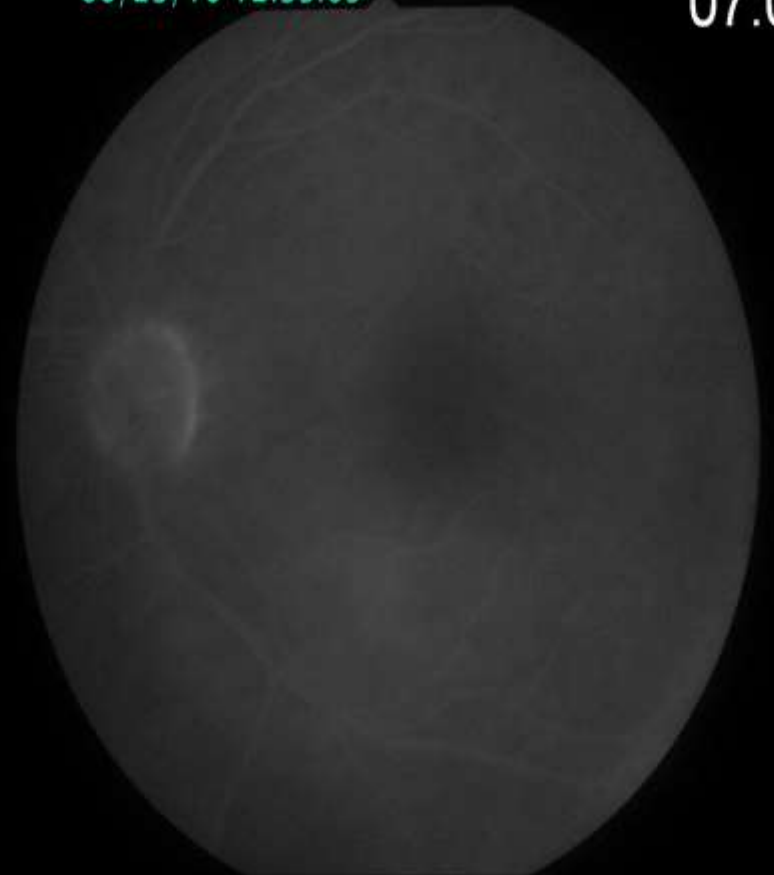
# Case VC

06/23/10 12:26:27

00:26

06/23/10 12:33:09

07:07



# Case VC OD 6-23-10 (332u)

ID: 30026007  
 DOB: 5/20/1947  
 Gender: Male  
 Doctor:

Exam Date: 6/23/2010  
 Exam Time: 12:10 PM  
 Serial Number: 4000-3399  
 Signal Strength: 9/10

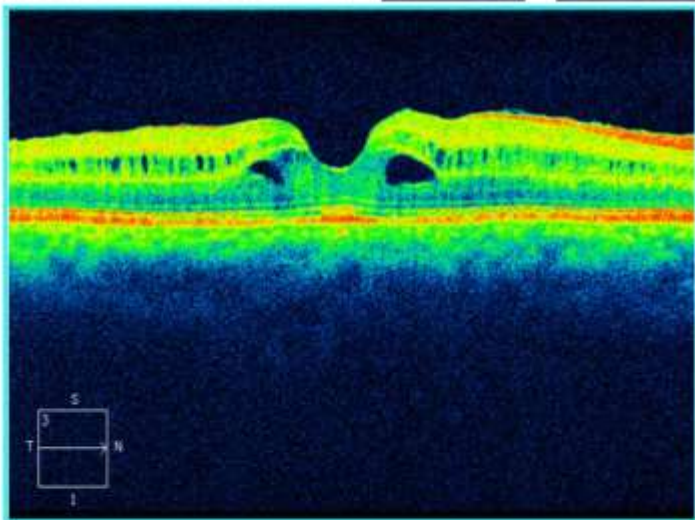
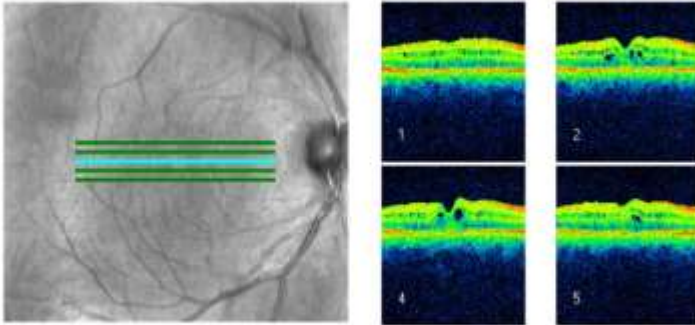
Lansing Ophthalmology



High Definition Images: HD 5 Line Raster

OD  OS

Scan Angle: 0° Spacing: 0.25 mm Length: 6 mm



ID: 30026007  
 DOB: 5/20/1947  
 Gender: Male  
 Doctor:

Exam Date: 6/23/2010  
 Exam Time: 12:11 PM  
 Serial Number: 4000-3399  
 Signal Strength: 9/10

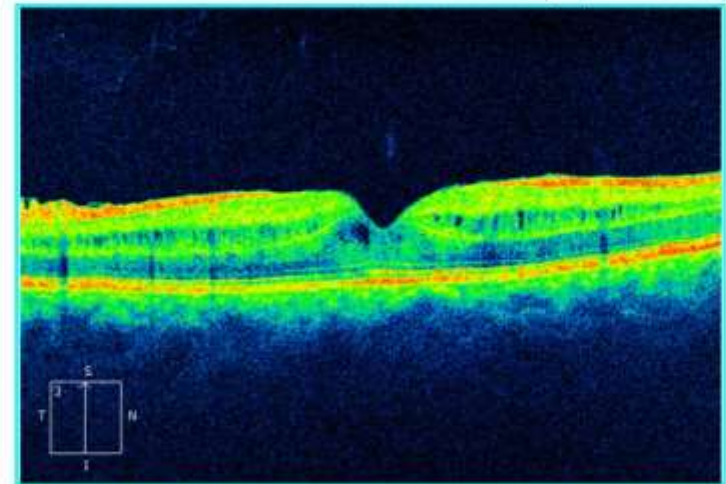
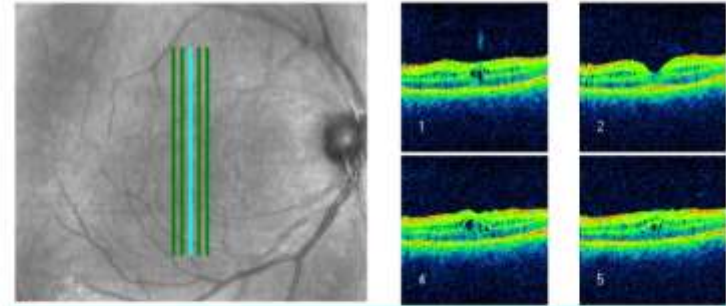
Lansing Ophthalmology



High Definition Images: HD 5 Line Raster

OD  OS

Scan Angle: 90° Spacing: 0.25 mm Length: 6 mm



Comments

Doctor's Signature

SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Meditec, Inc.  
 All Rights Reserved  
 Page 1 of 1

Comments

Doctor's Signature

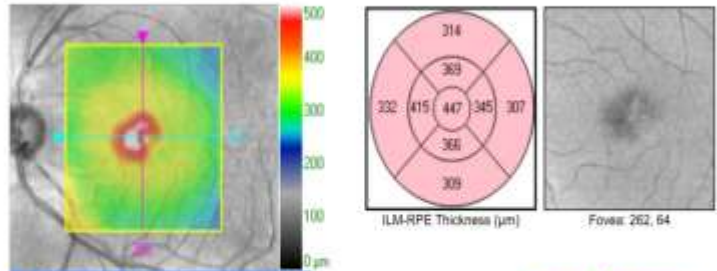
SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Meditec, Inc.  
 All Rights Reserved  
 Page 1 of 1



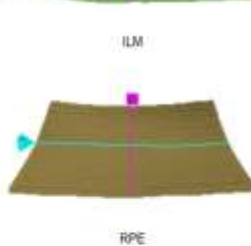
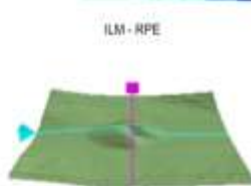
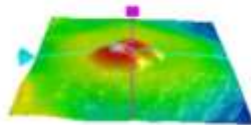
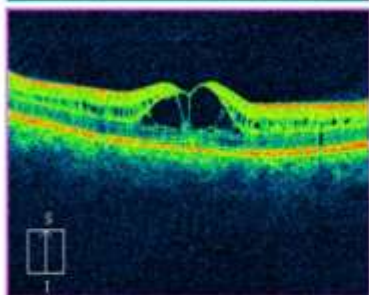
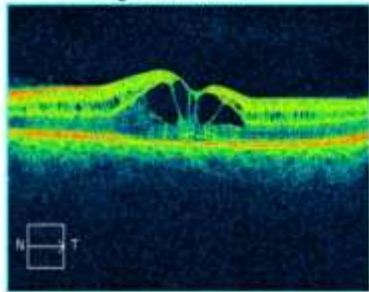
# Case VC OS 6-23-10 (447 u)

ID: 30026007      Exam Date: 6/23/2010      Lansing Ophthalmology  
 DOB: 5/20/1947      Exam Time: 12:11 PM  
 Gender: Male      Serial Number: 4000-3399  
 Doctor:      Signal Strength: 10/10

**Macula Thickness : Macular Cube 512x128**      OD   OS



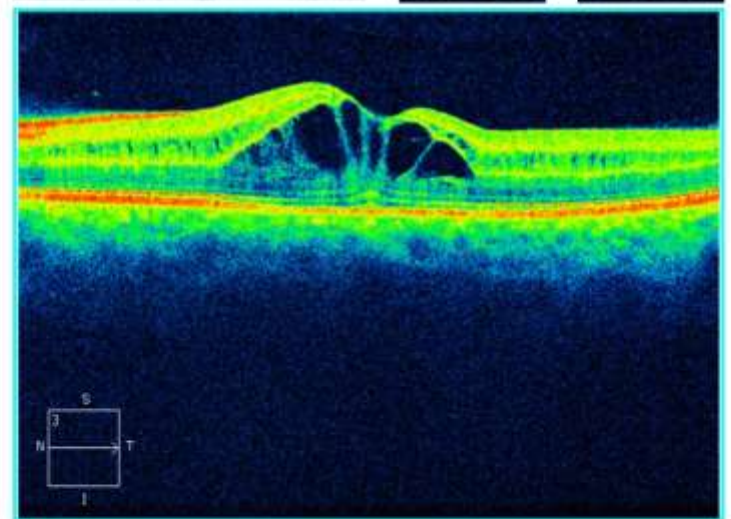
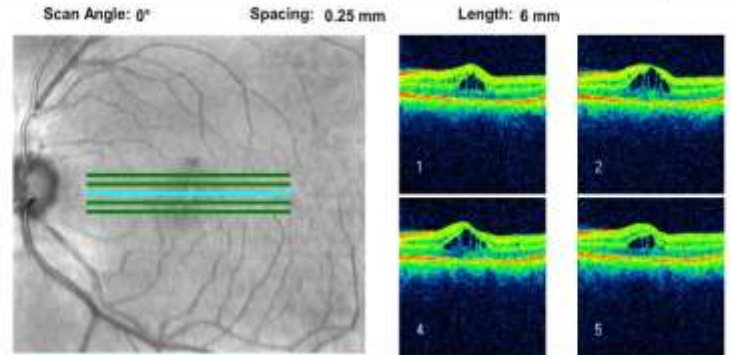
Overlay: ILM - RPE Transparency: 50 %  
 High-definition mode



	Central Subfield Thickness (µm)	Cube Volume (mm <sup>3</sup> )	Cube Average Thickness (µm)
ILM - RPE	447	11.7	324

ID: 30026007      Exam Date: 6/23/2010      Lansing Ophthalmology  
 DOB: 5/20/1947      Exam Time: 12:12 PM  
 Gender: Male      Serial Number: 4000-3399  
 Doctor:      Signal Strength: 9/10

**High Definition Images: HD 5 Line Raster**      OD   OS



Comments

Doctor's Signature

SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Medtec, Inc.  
 All Rights Reserved

Comments

Doctor's Signature

---

# Case VC

- Diagnosis: ??
- Treatment: ??

- 
- Pseudophakic Cystoid Macular Edema
  - Docataxel Retinopathy
  - Paclitaxel Retinopathy
  - Nicotinic Acid Maculopathy
  - Idiopathic Non-staining CME

---

# Case VC Missing Information

- This physician treated his elevated cholesterol for 3 months prior to being seen with 3 gm. Per day of niacin.
- When he developed blurred vision he stopped the niacin one day prior to being seen.

---

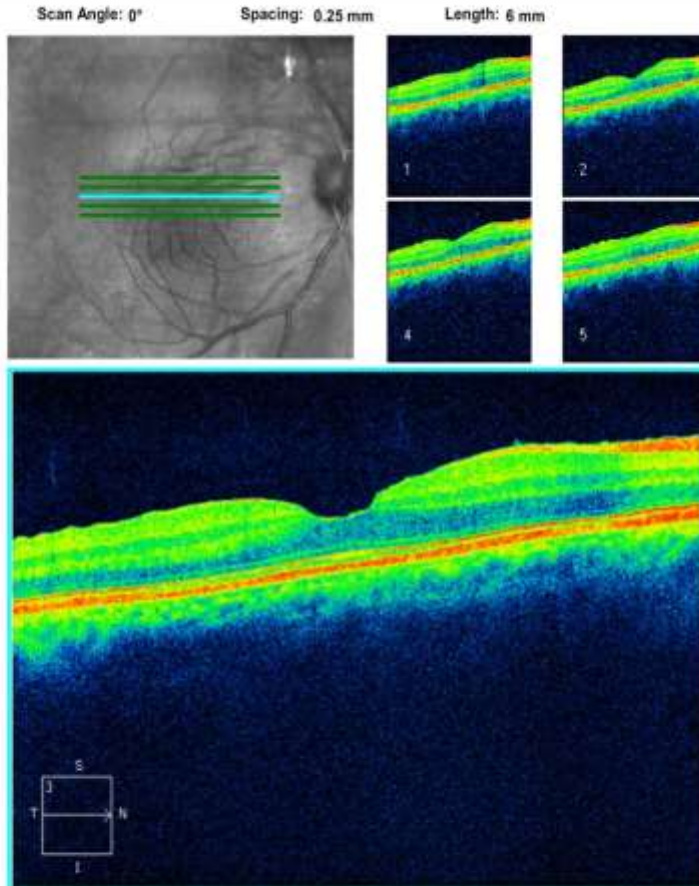
# Case VC 1 Month Later

- Metamorphopsia resolved
- Vision 20/20 OU
- Edema resolved.

# Case VC 1 Month Later (266u)

ID: 30026007      Exam Date: 7/23/2010      Linsing Ophthalmology  
 DOB: 5/20/1947      Exam Time: 11:08 AM  
 Gender: Male      Serial Number: 4000-3399  
 Doctor:      Signal Strength: 9/10

High Definition Images: HD 5 Line Raster      OD   OS



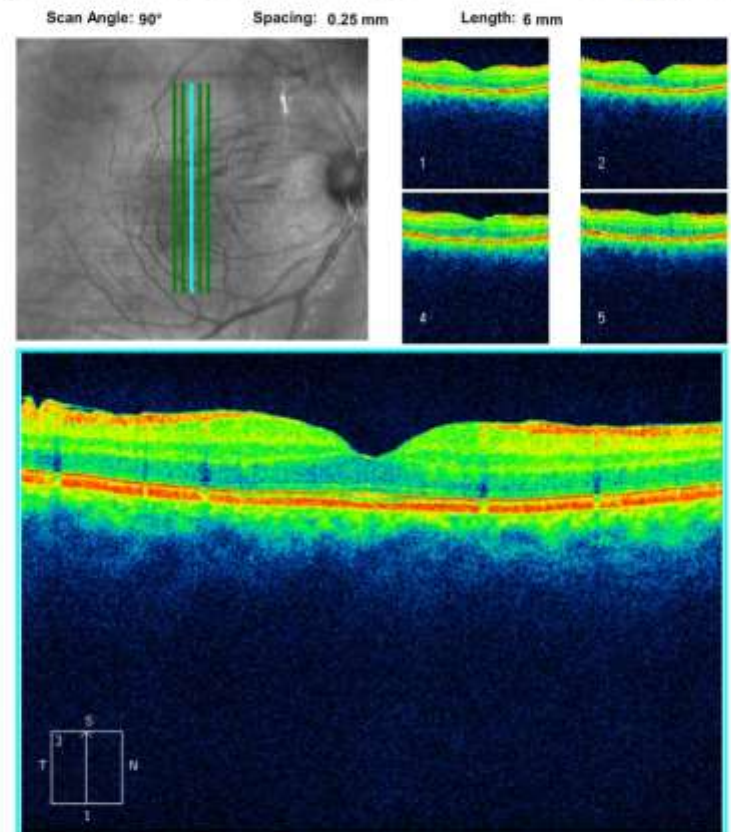
Comments

Doctor's Signature

SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Medtec, Inc  
 All Rights Reserved

Name: CIPOLLA, VINCENT      Linsing Ophthalmology   
 ID: 30026007      Exam Date: 7/23/2010  
 DOB: 5/20/1947      Exam Time: 11:08 AM  
 Gender: Male      Serial Number: 4000-3399  
 Doctor:      Signal Strength: 10/10

High Definition Images: HD 5 Line Raster      OD   OS



Comments

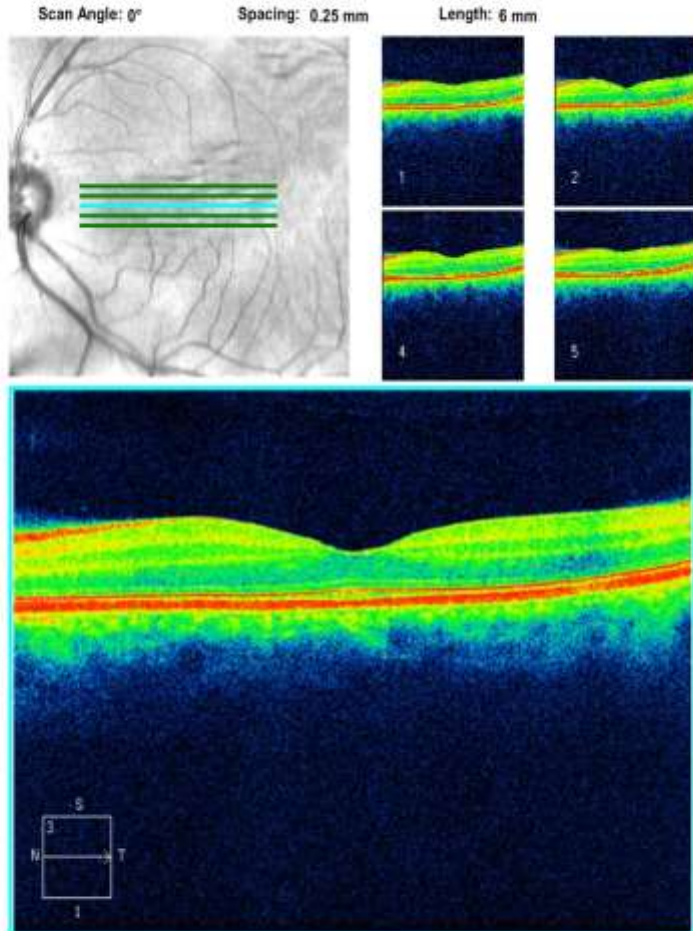
Doctor's Signature

SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Medtec, Inc  
 All Rights Reserved  
 Page 1 of 1

# Case VC OS 1 Month Later (239u)

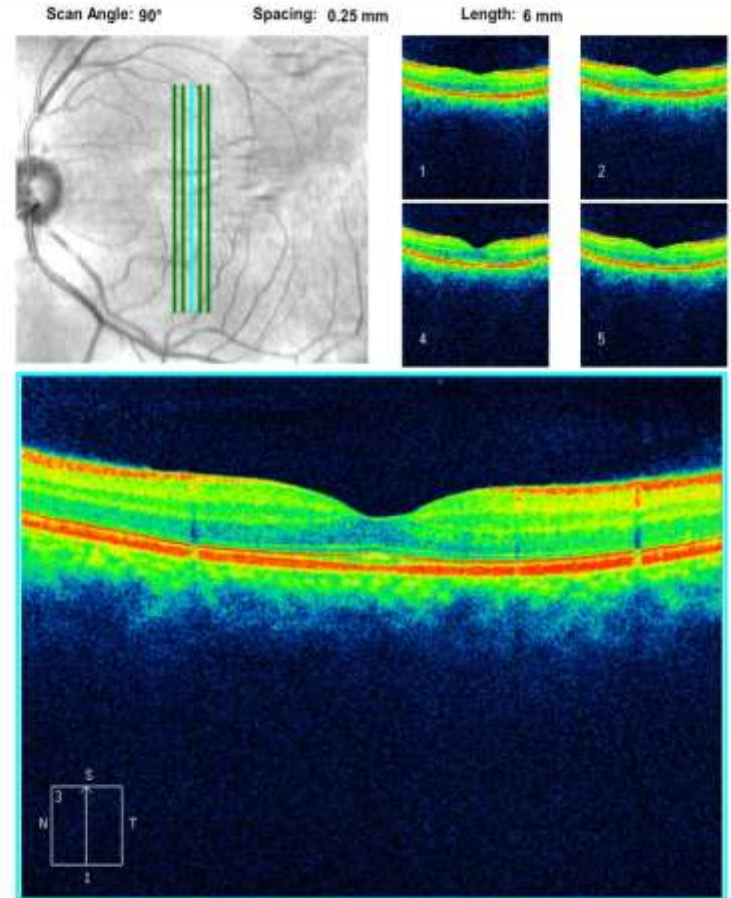
ID: 30026007      Exam Date: 7/23/2010      Lansing Ophthalmology  
 DOB: 5/20/1947      Exam Time: 11:10 AM  
 Gender: Male      Serial Number: 4000-3399  
 Doctor:      Signal Strength: 10/10

High Definition Images: HD 5 Line Raster      OD   OS



ID: 30026007      Exam Date: 7/23/2010      Lansing Ophthalmology  
 DOB: 5/20/1947      Exam Time: 11:10 AM  
 Gender: Male      Serial Number: 4000-3399  
 Doctor:      Signal Strength: 10/10

High Definition Images: HD 5 Line Raster      OD   OS



Comments

Doctor's Signature

SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Medtec, Inc.

Comments

Doctor's Signature

SW Ver: 6.0.1.24  
 Copyright 2012  
 Carl Zeiss Medtec, Inc.  
 All Rights Reserved  
 Page 1 of 1

---

# Nicotinic Acid Maculopathy

- Described by Gass in 1973
- Affects <1% of patients taking niacin for hyperlipidemia
- Occurs with higher doses of niacin (>3gm./day)
- Resolves when niacin is withdrawn.
- Consists of CME without vitritis or retinal vascular changes.
- No dye leakage on fluorescein angiography.
- Cystic spaces in the outer nuclear layer & inner plexiform layer on OCT.



---

# Nicotinic Acid Maculopathy

- Cause unknown
- Speculate capillary permeability is too little to allow fluorescein to escape.
- Speculate Muller cell abnormality

---

# References

- Gass JDM. Nicotinic Acid Maculopathy. *Am J Ophthalmol* 1973;76:500-10
- Millay RH, Illingworth DR. Niacin Maculopathy *1988;95:930-6*
- Spirn MJ, Warren FA, Guyer DR, Klancnik JM, Spaide RF  
Optical Coherence Tomography Findings in Nicotinic Acid  
Maculopathy. *Am J Ophthalmol* 2003; 135:913-4
- Dajani HM, Lauer AK. Optical Coherence Findings in Niacin  
Maculopathy *Canad J Ophthalmol* 2006;41:197-200
- Jampol LM Niacin Maculopathy. *Ophthalmology*  
1988;95:1704-5