FOLLOW UP RESULTS AFTER TREATMENT WITH PEPTIDE BIOREGULATORS IN PATIENTS WITH GENETIC RETINAL DISORDERS
Few words about Retinitis Pigmentosa

• A group of genetic disorders
• Affect the retina’s ability to respond to light
• Symptoms:
  - Decreased night vision - night blindness (nyktalopia)
  - Loss of side (peripheral) vision - tubular vision
  - Blindness results.
• There is no cure.
Tubular vision
Case #1

- Female patient
- 39 years old
- Pathology: Retinitis pigmentosa
- Visual acuity before treatment:
  - RE 5/10 cc
  - LE 5/10 cc
- First visit: February 2014
Visual Fields Pre-Treatment

Right eye (OD) / 02/20/2014 / 13:06:14
Seven-in-One
Greyscale (CO)
22,7
26,9
Md [dB] 23,6

Left eye (OS) / 02/20/2014 / 13:21:19
Seven-in-One
Greyscale (CO)
22,1
23,8
Md [dB] 25,3
27,2

Case #1
Case #1

Left eye (OS) / 02/20/2014 / 13:21:19
Seven-in-One
Greyscale (CO)

22.1
23.8
27.2

MD [dB] 25.3

Left eye (OS) / 06/02/2014 / 11:47:19
Seven-in-One
Greyscale (CO)

23.7
25.2
26.3

MD [dB] 24.2

Left eye (OS) / 06/11/2014 / 14:38:31
Seven-in-One
Greyscale (CO)

23.4

MD [dB] 25.0

Case #1
Results?

Improvement for the Right eye. Expansion of the central photosensitive area. Visual acuity before treatment: RE 5/10 cc
Visual acuity after treatment: RE 5/10 cc
Results?

*Stabilization* for the Left eye.

Visual acuity before treatment: LE 5/10 cc
Visual acuity after treatment: LE 5/10 cc
Case #2

- Male patient
- 17 years old
- Pathology: Retinitis pigmentosa
- Visual acuity before treatment:
  - RE: 6/10 cc
  - LE: 6/10 cc
- First visit: January 2014
Visual fields pre-treatment

Case #2
Case #2

Visual fields after 10 days

Visual acuity RE: 6/10 cc

Visual acuity RE: 7/10 cc

Case #2
Visual fields post treatment (35 days from the beginning)

Visual acuity RE: 7/10 cc

Case #2
Case #2

Visual acuity LE: 6/10 cc

Visual acuity LE: 7/10 cc

Visual fields after 10 days

Left eye (OS) / 01/27/2014 / 12:27:56
Seven-in-One Greyscale (CO)

Left eye (OS) / 02/18/2014 / 13:25:34
Seven-in-One Greyscale (CO)
Visual fields post-Treatment (35 days from the beginning)

Visual acuity LE: 7/10 cc

Case #2
Patient received a second round of therapy in July 2014.

- Visual acuity RE: 7/10 cc
  LE: 7/10 cc
Case #2

Visual acuity RE: 7/10 cc
Case #2

Visual acuity LE: 7/10 cc
Patient received a third round of therapy in February 2015

- Visual acuity RE: 7/10 cc
  LE: 7/10 cc
Case #2

Right eye (OD) / 02/05/2015 / 11:57:10
Seven-in-One

Greyscale (CO)

17.7
19.4
21.3
19.1

Right eye (OD) / 03/09/2015 / 10:49:47
Seven-in-One

Greyscale (CO)

21.2
21.4
21.8
16.8

Right eye (OD) / 04/15/2015 / 13:25:15
Seven-in-One

Greyscale (CO)

20.3
19.8
19.8
22.6

Visual acuity RE: 7/10 cc

Case #2
Visual acuity RE: 7/10 cc
Results?

Improvement for the Right eye. Expansion of the central photosensitive area.
Visual acuity before any treatment: 6/10 cc.
Visual acuity after 2 rounds of treatment: 7/10 cc.
Case #2

Visual acuity LE: 7/10 cc
Visual acuity LE: 7/10 cc

Case #2
Case #2
Results?

*Improvement* for the left eye. *Expansion of the central photosensitive area.*

Visual acuity before any treatment: 6/10 cc.

Visual acuity after 2 rounds of treatment: 7/10 cc.
Case #3

- Female patient
- 64 years old
- Pathology: Retinitis pigmentosa
- Visual acuity before treatment:
  RE: blind
  LE: 4/10 cc
- First visit: May 2014
Case #3

Pre-treatment

Right eye (OD) / 05/22/2014 / 13:56:57
Seven-in-One Greyscale (CO)

Post treatment

Right eye (OD) / 09/09/2014 / 13:24:53
Seven-in-One Greyscale (CO)
Pre-treatment
VA 4/10 cc

Post treatment
VA 4-5/10 cc

Results?
*Stabilization. Expansion* of the central photosensitive area.
Case #4

- Male patient
- 33 years old
- Pathology: Retinitis pigmentosa
- Visual acuity before treatment
  RE: 7/10 cc
  LE: 3/10 cc
- First visit: October 2013
Visual fields pre treatment

Case #4
Visual fields after 10 days

Visual acuity RE: 7/10 cc

Visual acuity RE: 8/10 cc

Case #4
Visual fields post treatment (20 days from the beginning)

Visual acuity RE: 8/10 cc
Visual acuity LE: 7/10 cc

Case #4
Visual Fields after 10 days

Visual acuity LE: 3/10 cc

Visual acuity LE: 3/10 cc

Case #4
Visual acuity LE: 3/10 cc

Visual acuity LE: 5/10 cc

Case #4
Patient received a second round of therapy in February 2014.

- Visual acuity RE: 8/10 cc
  LE: 5/10 cc
Visual acuity RE: 8/10 cc

Visual acuity RE: 9/10 cc

Case #4
Visual acuity LE: 5/10 cc

Case #4
Patient received a third round of therapy in June 2014

- Visual acuity RE: 9/10 cc
  LE: 5/10 cc
Case #4

Visual acuity RE: 9/10 cc
Visual acuity RE: 9/10 cc

Case #4
Visual acuity LE: 5/10 cc

Case #4
Case #4

Left eye (OS) / 06/17/2014 / 08:58:14
Seven-in-One
Greyscale (CO)

Left eye (OS) / 01/18/2016 / 14:03:59
Seven-in-One
Greyscale (CO)
Case #4

Left eye (OS) / 01/18/2016 / 14:03:59
Seven-in-One
Greyscale (CO)

Left eye (OS) / 01/23/2016 / 10:05:07
Seven-in-One
Greyscale (CO)
Results?

Stabilization for the left eye.
Visual acuity before any treatment: 3/10 cc
Visual acuity after 2 rounds of treatment: 5/10 cc