

# IONSPEC

## CLINICAL TEST REPORT

FINAL STAGE (15 DEC 2012-30 DEC 2013)



### Researchers Profile:

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## ABSTRACT:

The primary goals of the studies are to verify the effectiveness of negative IonSpec could help to improve visual acuity in the subject study. This test is to study non-side effect of the negative IonSpec. The causes for vision problems in the population are: Aging and macular degeneration. Visual problems are aging-associated eye problems. Early prevention with antioxidants is mandatory. This study is to suggest negative IonSpec acts as source of antioxidant.

## Introduction:

Our ideology is to induce bodily naturally rejuvenation functionalities, which including vision. Our approach is non intervention (non-surgical) method. In conjunction of Negative Ions could help eyes cells rejuvenation and lead to restoration of eyes functions. Therefore, we were measuring the vision improvement after using Negative IonSpec( IonSpec,2011) .

The causes for vision problems in the population are: Aging and macular degeneration. Visual problems such as: Asthenopia, myopic, astigmatism, presbyopia, cataract and age-related macular degeneration can lead to severe central vision loss ([Sheedy, Hayes,Engle,2003](#)).

In glaucoma, researchers believe that the ganglion cells of the retina, as well as the support cells within the optic nerve, can die for various reasons. Some possible reasons include excessive fluid pressure within the eye, and lack of blood flow or oxygen. With sufficient damage, sight is lost. Damage to the optic nerve is irreversible because the cable of nerve fibres doesn't have the capacity to regenerate, or heal itself, when damage occurs. This is why glaucoma is an incurable disease at this point, and why early detection is so important. ( [Benowitz,2011](#)).

**However, we had suggested the negative ions spec could give aid if glaucoma had detected in early stage. Our negative Ions spec had shown vision improvement and maintaining effect for one glaucoma patient. Suggest that the negative ions increase the flow of oxygen to the brain, which improved our patients vision (Taipei Medic,Malaysia, 2013).**

Dr.Pierce J. Howard, Dr. Phillip E.A. Lennard, and Dr. Jacob (B) agreed that negative ions have unique benefits to human body. Which negative ions increase the flow of oxygen to the brain; resulting in higher alertness, decreased drowsiness, and more mental energy. ( Howard, 2006) . Negative ions help recovery from physical exhaustion and fatigue – achieved by increasing oxygen levels in the blood. Negative ions promote cell rejuvenation by revitalizing cell metabolism (Iriswellbeing,2010).

Negative Ions improves visual sharpness (acuity) and reduces the incidence of blindness caused by lack of oxygen. Beside, negative ions improve retinal blood flow and circulation. Negative ions could reduce swelling in eyes vassals and thereby the risk of developing glaucoma and cataract.

The macula area of the retina and optic nerve fibres is fragile to oxygen deficiency. These fibres and nerves cells require from four to six times as much Oxygen and nutrition and the visual pathways peripheral nerves. These fibres and nerves (Tods & Cones) cannot function without Oxygen for more than 90 seconds without some visual loss (Martini & Hum,2008).

Dr Bates, an ophthalmologist, stopped prescribing glasses to his clients after observed that their visual problems like: nearsightedness, farsightedness, astigmatism, presbyopia and lazy eye, got progressively worse after wearing the glasses. He theorized that the glasses stopping the eyes from healing itself naturally (Quakenbush,2000). Prescription glasses cause lots of strain and stress to patient's vision system. The strain caused by these glasses is the major contributing factors to patient's eyes problems ( Quakenbush,2000).

**Subjects Selection:**

12 subjects ranging from 10 to 80 years of age with one or more of the following visual problems were recruited from Taipei T&CM Medical Centre, Selangor, Malaysia:

- a) Asthenopia and/or subjective levels of computer vision syndrome.
- b) Myopes , with low refractive error, which could include astigmatism.
- c) Hyperopes and beginning presbyopes who were using their reading glasses
- d) Presbyopia, hyperopia, and/or other vision problems.

And, whom with ocular pathology example: diabetes, glaucoma, cataract, and macular degeneration.

**Subjects Grouping:**

Grouping (Experimental, A-D)	Subjects
A. Patients with minor or minimum eye's diseases:	1. F, 40 2. F, 61 3. F,35
B. Patients with middle stage of eye's	1. M, 55

diseases	2. F, 10 3. F,46 4. M,64, Glaucoma 5. M,70 6. M,33
C. Patients with chronic stage eye's diseases or D. Patient, blind.	1. M, 75 , Glaucoma 2. F, 50 F,58
E. Control Group, patient no using Neg IonSpec	F, 33

**Result Capture Method:**

Individual's vision acuity or stated vision problems were measured (2). The parameter is visual acuity of participant subjects. A Snellen chart or equipment was used to measured subjects visions. Second parameter is by observation of subject's behaviour and/or by interviews to determinate vision changes.

Third parameter is testimonial given by the patients before and after using negative IonSpec. Research subjects are divided into four major groups as listed: Group A) Patients with minor or minimum eye's diseases: Purpose to verify the Negative IonSpec is safe, non-side effects. After 1 year of wearing Negative IonSpec that majority subjects would not have visual deteriorate then the before the study. Hence, subject's visual acuity should be category in healthy stage before the study.

**Result:**

Group A: right eye visual acuity improvement (%) versus time (weeks):

Group A: Right eye astigmatism improvement (%) versus time (weeks):

Group A: Left eye visual acuity improvement (%) versus time (weeks):

Group A: Left eye astigmatism improvement (%) versus time (weeks):

Discussions:

Subject A 1(F,40):	SPH(S)	CYL(C )	AX
R	-1.5	-0.5	29
L	-0.75	-0.5	124

Date:2<sup>nd</sup> Dec 2012

R	-1.25	-0.5	
L	-0.5	-0.25	7 <sup>th</sup> March 2013

After 3 months using negative IonSpec, patient's right eyes have improving by 16% on visual acuity test. Patient's Left eye vision acuity test improving by 33%. On the astigmatism right eye remain the same, but left eye's improving by 50%.

R	-1.25	-0.25	
L	-0.50	-0.50	15 <sup>th</sup> Dec 2013

After 12 months of using negative Ion Spec, patient's right and left eye vision acuity maintaining after the first 3 moths of improvement. Right eye astigmatism improved by 50%.But, left eye astigmatism reversing by 50%. Suggest this is a temporary adjustment as this observation has occurs in other patients whom using the same product. Overall improvement has maintained after 12 months as compared to before using negative Ions spec.

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Subject: A2( F, 61)

Visual problems: Mild Myopia, mild Presbyopia/Hyperopia

S

C

R	+0.37	-0.50	120
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S.E.+0.12

L	+1.12	-1.25	20
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S.E.+0.5

16<sup>th</sup> Dec 2012

After 3 months of using Negative IonSpec, Test result on her vision : her visual acuity has improves by 22% on her left eye. Right eye visual acuity under neurological transitions, improves 50%.

	S	C	
R	- 0.12	-0.37	130

	+0.00	-0.25	125
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S.E. -0.12

L	+0.87	-0.87	20
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S.E.	+0.37		26 <sup>th</sup> Feb 2013
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Patient testing her eyes on other equipment:

	S	C	
R	+0.25	-0.50	100

S.E. +0.00

	S	C	
L	+1.25	-1.0	15

S.E. +0.75

After 5 months, A2 right eye visual acuity improves by 32%. Astigmatism reversed back by 35%. A2 left eye visual acuity reversed back by 11%. Astigmatism improving by 20%

Date: 8<sup>th</sup>/May 2013 Patient's left eyes

R            +0.5                            0.00

L            +1.375                           -1.125                            12<sup>th</sup> Dec 2013

After 1 year, A2 right eye visual acuity reversed back 13%, but astigmatism has gone.

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A3, F, 35. Used IonSpec two to three weeks, her myopia dropped from 0.5 to 0.25. Followed with 12 months continued wearing, maintaining visual acuity.

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Result:

Group B : Visual acuity improvement (%) versus time (week).

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Group B) Patients with middle stage of eye's diseases: IonSpec can help with vision or eye's sight improvement.

Discussions:

Subject B1, M,55: Subject with complex visual problems (due to accident impact on his eye): Myopic vision has improved 10% in the beginning of 2 weeks ( 30th Dec 2012). He reported having clear vision after 3 months wearing IonSpec, equivalents of 50% vision improvement. His asthenopia(1),glare, blurred vision, floaters has reduced. Suggest that he still experiencing neurological transition, where his myopic problem mildly reduce to beginning stage (measured by Snellen chart). But floaters were gone. Therefore, overall vision has improved as his statement was provided by interview.

4.9 can read clearly on Snelle Chart. 11<sup>th</sup> April 2013.

4.9 can read clearly on Snelle Chart. 13<sup>th</sup> May 2013.

Subject B2, F,10. Myopic. She had eye examination from Optometrist located in Ipoh. Before treatment:

	S	
R	-350	
L	-450	5 <sup>th</sup> Dec 2012
R	-325	
L	-450	5 <sup>th</sup> May 2013

After 7 months of using negative Ions spec: her mother brought her back for follow up, as her eye sight improved (7%) on the right side. Her left eye remain the same, no improvement. 13<sup>th</sup> July 2013

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B3, F,46. Test on Snelle Chart .12<sup>th</sup> March 2013. After 1 month wearing negative ionSpec. Improvement 4.5% on 17<sup>th</sup> April 2013. Maintaining 4.4 can read. 10<sup>th</sup> May 2013.

B4, M, 63. Glaucoma.

RX(R) : +3.75 DS -1.50 DC X85                      3<sup>rd</sup> Dec 2012

Snelle Chart 4.8 can read. 4.9 Can not read.      30<sup>th</sup> Dec 2012

Visual acuity (R): 6/18

RX(R) +3.25 DS -1.75 DC X 100                      Pupil Diameter: 4.8mm

Visual acuity (L):6/9                                      Pupil Diameter : 4.1mm

RX(L) +3.50 DS -1.50 DC X100                      3<sup>th</sup> April 2013

RX (R) :+3.25 DS -1.75 DC X 100                      Pupil Diameter: 5.9mm

Visual acuity( R) : 6/9

RX (L) : +3.25 DS- 1.50 DC X100                      Pupil diameter : 4.2 mm

Visual acuity (L): 6/9                                      7<sup>th</sup> Sept 2013

Patient's visual system is undergoing some adjustment after wearing Negative IonSpec since 3<sup>rd</sup> December 2012. His RX values was adjusting from +3.75 to +3.25. From -1.50 to -1.75. After that, visual acuity field has improved steady: Patient's visual acuity has improved from 6/18 to 6/9 ( 50%) on his right eye, after 8 months wearing negative Ions specs, together herbal and complimentary treatments.

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B5, M,70. I wear the IonSpec 3 and a half months- after my presbyopia reduced 75 (the original 275 , 200 now)(( improvement 27%)). There, my floaters previous daily stop now rarely. Before using negative IonSpec, I can read newspapers about half an hour and felt tire on eyes. But, after wearing negative IonSpec,I could reads several hours, my eyes will not feel tired. Further, I could drives, and not feel fatigue. Thank you. 5<sup>th</sup> Dec 2013.

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B6, M, 33. Start using IonSpec on September 2011. Vision problem: myopic, and astigmatism. After 5 weeks of using IonSpec, subject report blurry vision. The subject went for another eyes test, his vision has improved:

Before using IonSpec:

	S	C	
R	-450	-50	
L	-400	-50	Sept 2011

After 5 weeks of using IonSpec ,

R	-400	0	
L	-375	0	10 <sup>th</sup> Oct 2011

Since then, subject vision has maintained as stated. Subject has been reading on computer, and cell phone, the reasons that subject doubt in for vision improvement. 16<sup>th</sup> July, 2013.

Eyes treatment has started on October. 17<sup>th</sup> July 2013.

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Group C) Patients with chronic stage eye's diseases:

Result:

Subject C1:M, 80. Vision 2-10%, advance stage glaucoma.

His eye pressure had reduced after 3 weeks of wearing Negative Ions Spec, together with acupuncture, herbal treatment.

C2, F,50 .

	S	C	
R	-10.00	-3.00	
L	-10.00	-3.00	15 <sup>th</sup> May 2012

After 2 months using Neg Ions Spec:

	S	C	
R	-8.00	-2.00	
L	-8.00	-1.50	17 <sup>th</sup> July 2012

Group D1,patient who are blind:

Subject: F,58.

A blind patient started using negative Ion Spec on 31<sup>st</sup> Dec 2012.

Group E1,F,33. Patient as Control group, Not Using negative IonSpec. Her vision problem is moderation of astigmatism.

	S	C	
R		- 4.00	
L		- 3.50	10 <sup>th</sup> Jan 2013

After 1 year, her astigmatism remains the same, no improvement. 16<sup>th</sup> Dec 2013

Conclusion: Ten subjects(who wears negative IonSpec) expressed satisfaction; their vision improvement with the Negative Ions Spec provided. The results of the evaluation suggest that the effectiveness of negative IonSpec could help to improve visual acuity in the subjects. The control group, who do not wear IonSpec, estimating their vision remain same or worsen after 3-6 months. Comparing the experimental groups (patients who wearing IonSpec) and control group

(Not-wearing IonSpec). Those experimental groups visual acuity has improved. Therefore, we suggest IonSpec provided positive effects in helping patients vision.

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#### Foot Notes:

- A. Asthenopia: weakness or easy fatigue of the eye, with pain in the eyes, headache, dimness of vision.

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