

Happy NORUZ, Happy New Year

Inside this issue:

Tecnis Family: 2
The competitive advantage

ALCON VISION CARE: 2
AIROTIX® COLORS
As the first and the only Silicone Hydrogel colored contact lens in the world

HUVITZ: 3
HIS 5000N; A kit of image management system

OASIS®: 3
Silicone punctal plugs

Abbott Medical Optics: 4
FUSION® Fluidics in Whitestar signature technology

Mini Case: 4
Ophthalmic case extracted from JAMA Ophthalmology



Every year by coming spring, world will get new dress and life begins again. Pain and hurt get erased from faces and joy and affection would be brought to all creatures in a world and that is why Iranian call the first day of spring to **NORUZ**.

NORUZ literally meaning is "**A new day**". For much of the world, it has provided the supreme occasion for renewal, new resolution and new beginnings. **NORUZ** invites us to contemplate nature as it puts on its most magnificent dress at springtime and to synchronize personal and communal relations with the spirit of nature.

Dear Partner

Amico Yasna Pars is greeting you the new coming solar year (**1394**) and Iranian ancient

fiesta (**NORUZ**).

May the coming year take you on the path to glory where all your endeavors become glorious and your life becomes a success story.

Amico Yasna Pars is wishing you the New Year that marks the beginning of remarkable era of success, health, prosperity, happiness and all the best in your life.

There is hope that New Year be a **year of FLY** and growing for **IRAN** and all Iranians around the world.

Happy NORUZ 1394.

On behalf of Amico Yasna Pars Team

TECNIS[®]

FAMILY OF IOLs

This is Optical Synergy



Competitive advantage of Tecnis Family lenses

What are the benefits of the TECNIS[®] manufacturing process compared to Alcon? How does it compare to other lathing processes/materials?

- When a material is molded, the material itself and its shape are created at the same time. Producing the best quality material and an optimal shape can be difficult under these conditions and typically requires compromises in one or both aspects of the final product. The process used to manufacture TECNIS[®] lenses separates these

processes, allowing for production of an optimal material and then the creation of an optimized shape.

- Compared to other lathing processes, cryolathing allows the base material to be cut at very low temperatures making the material very stable, which allows great precision. This precise optic form control ensures that the power, aberrations, and refractive performance is an exact representation of the design and consistent from lens to lens.

Proprietary coating applied at the end of the manufacturing process that facilitates a natural, controlled release and unfolding of the lens in the eye.



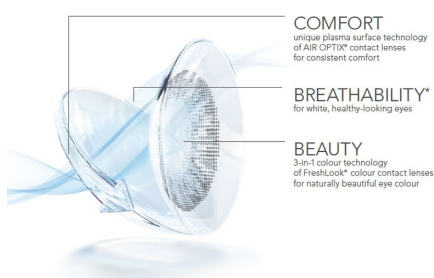
Extracted from:
amo-distributor-service.com

AIR OPTIX[®] COLORS: The first and the only Silicone-Hydrogel colored contact lens in the world being introduced by ALCON



AIR OPTIX[®] COLOR (lotrafilcon B) contact lenses are available in a range of prescription powers and in a wide palette of beautiful colors. They are also available for people who do not need vision correction.

These soft contact lenses are made of a lens material that is approximately 33% water, 67% lotrafilcon B and a fluoro-silicone containing hydrogel which is surface treated. A cosmetic pattern is embedded into the back surface of the lens.



COMFORT
unique plasma surface technology of AIR OPTIX[®] contact lenses for consistent comfort

BREATHABILITY*
for white, healthy-looking eyes

BEAUTY
3-in-1 colour technology of FreshLook[®] colour contact lenses for naturally beautiful eye colour



Coming Soon...

LENS PROPERTIES and PARAMETERS

REFRACTIVE INDEX (HYDRATED)	1.42
LIGHT TRANSMITTANCE	> 95% (380 -780 nm)
WATER CONTENT	33%
DK/T	138 @ -3.00D
BASE CURVE (mm)	8.6
CHORD DIAMETER (mm)	14.2
CENTER THICKNESS	0.08 @ -3.00D
SURFACE	Ultra-smooth plasma technology

Extracted from:

<http://ecatalog.alcon.com>

<http://www.airoptix.com/contact-lenses/colors.shtml>

Huvitz

HIS-5000 N

The kit of user Friendly image management system



Huvitz Imaging System (HIS-5000 N) is a digital imaging system for Slit-lamp applying high resolution digital camera and PC based imaging software to examine patient's eye, and manage slit lamp images with patient information.

HIS-5000N software supports networking function to share patient information and examination images between multiple PCs existing on the local network or internet via TCP/IP protocol. Also, this version use MS-SQL server solution as more reliable database, and includes additional HIS Server Management software to support to back up or restore patient and imaging data.

High Performance progressive scan CCD camera provides quick image capture of diagnosed images and videos in real time with a simple click on joystick button.

The IEEE 1394 interface in the **Huvitz** camera system offers you a high mega pixel resolution images with increased speed and more stable data transmission than a conventional USB port transmission.

MS Access database system allows you to search symptoms, diagnosed information, and related contents. You can also easily manage data and history of patients.

Extracted from:
<http://www.Svc.huvitz.com>

Soft Plug Preloaded Silicone Punctal Plugs

The distinctive low profile dome head combined with a softer more flexible silicone maximizes patient comfort. The **OASIS®** Medical Silicone Punctal Plug has a thin head portion designed to remain outside the punctum and rest on the eyelid. Each punctum plug is molded from medical grade silicone.

Silicone punctal plugs are available in two styles:

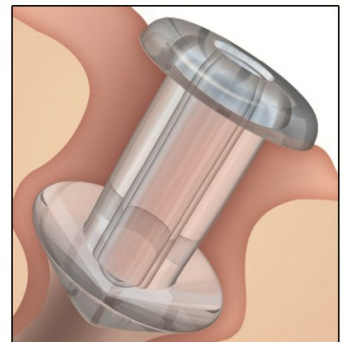
1. The original punctum plug with a closed nose portion which blocks flow through the punctal opening.
2. Flow Control punctum plug with an opening through the nose portion

which allows flow through the punctal opening.

Description

- 1- More comfortable to the patient.
- 2- Less likely to dislocate.
- 3- Easier to remove.
- 4- Multiple sizes:
 - Petite 0.6 mm
 - Small 0.7 mm
 - Medium 0.8mm
- 5- Sterile, preloaded in boxes of 2.

OASIS®



WHITESTAR Signature® Phacoemulsification System

Control. Confidence. Performance.



FUSION® Fluidic (Blended Technologies for optimized surgical outcomes)

FUSION PHACO® Technology integrates **FUSION®** Pump Fluidics Management and the **ELLIPS®** FX Hand-piece in one cohesive system, enabling you to optimize each procedure at every step, according to your own preferences.

FUSION® PUMP: Exceptional control and efficiency by combining the holdability of the peristaltic pump and the follow ability of the venture pump in a convenient, single cassette.

ELLIPS® FX Handpiece: Transversal and longitudinal (Elliptical Movement) phaco for

smooth cutting and excellent efficiency.

FUSION® Fluidics provides increased chamber stability by anticipating occlusions and preemptively adjusting vacuum before occlusion breaks.

It anticipates intraocular changes and proactively adjusts, so chamber stability can be maintained even at higher vacuum and flow settings. Based on pre-set specifications, **FUSION®** Fluidics adapts to changes in vacuum immediately and automatically.

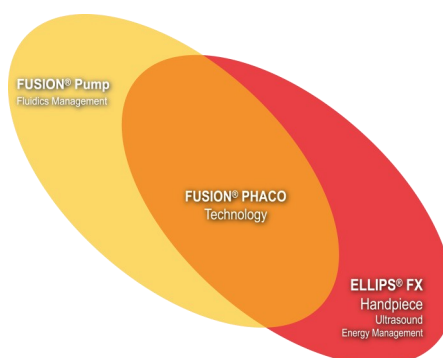
FUSION® Fluidics surge-prevention technology allows:

A– Use of high vacuum and flow

settings to reduce phaco time and increase efficiency.

B– Provides precise, low-flow parameters for complicated cases.

C– One-step, auto-loading **FUSION®** Fluidics cassette decreases turnover time.



Extracted from:
<http://www.whitestarsignature.com/>
<http://www.amo-inc.com/>

Mini Case:

Sub conjunctival Hemorrhages and Retinal Vascular Abnormalities

A woman in her mid-50s with a history of hyperlipidemia and arthritis presented with recurrent sub conjunctival hemorrhages and retinal vascular abnormalities as noted by her general ophthalmologist. Best-corrected visual acuity was 20/20 OU. Results of the pupillary examination, intraocular pressure measurements, motility, and confrontation visual field testing were normal in each eye. Findings on the anterior slit-lamp examination demonstrated rare anterior chamber cells and mild

nuclear sclerotic cataracts in both eyes. Results of the dilated fundus examination (Figure) demonstrated bilateral vitreous cells that were not dense enough to obscure retinal vessel details, as well as optic disc hyperemia, arterial attenuation, arterial and venous sheathing, hard exudates, and focal areas of retinal thinning. There was no macular edema in either eye. Results of a complete blood cell count were normal.

Asim V. Farooq, MD
 Jennifer I. Lim, MD

What would you do next?

1) Check blood pressure

- 2) Check antinuclear antibody level
- 3) Check hemoglobin A1c level
- 4) Check erythrocyte sedimentation rate



You can also refer to:
<http://archophth.jamanetwork.com/journal.aspx>