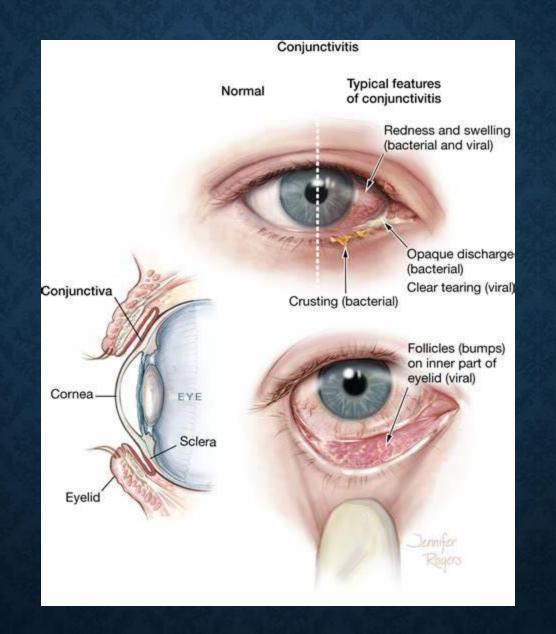
CONJUNCTIVITIS (PINK EYE)

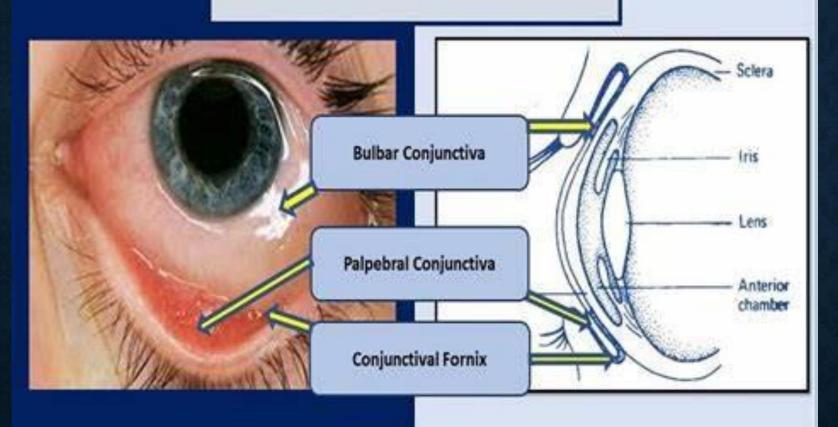
Dr Ghasem Saeedi

Board-certified Ophthalmic Surgeon

Assistant Professor at Medical University



ANATOMY OF CONJUNCTIVA



Conjunctivitis

Subconjunctival Hemorrhage





Leakage of blood outside of the vessels, producing a

Pattern of Redness Conjunctival injection: diffuse dilatation of conjunctival vessels with redness that tends to be maximal peripherally

homogeneous, sharply demarcated, red area that resolves over 2 weeks

Vision

Not affected except for temporary mild

Not affected

Ocular Discharge

Watery, mucoid, or mucopurulent

Mild discomfort rather than pain

blurring due to discharge

Absent

Absent

Pupil

Not affected

Cornea Clear

Clear

Significance Bacterial, viral, and other infections; highly contagious; allergy; irritation

Not affected

Often none. May result from trauma, bleeding disorders, or sudden increase in venous pressure, as from cough

Corneal Injury

or Infection

Acute Iritis

Acute Angle Closure Glaucoma







Pattern of Redness Ciliary injection: dilation of deeper vessels that are visible as radiating vessels or a reddish violet flush around the limbus. Ciliary injection is an important sign of these three conditions but may not be apparent. The eye may be diffusely red instead. Other clues of these more serious disorders are pain, decreased vision, unequal pupils, and a clouded cornea.

Vision

Moderate to severe, superficial

Moderate, aching, deep Severe, aching, deep

Vision

Usually decreased

develops

Decreased; photophobia Decreased

Ocular Discharge

Watery or purulent Absent

Absent

Pupil

Not affected unless iritis Small and irregular

timbus

Dilated, fixed

Cornea

Changes depending on cause Clear or slightly clouded; injection confined to corneal Steamy, cloudy

Significance

Abrasions, and other injuries; viral and bacterial infections Associated with systemic infection, Herpes zoster, tuberculosis; refer promptly

Acute increase in intraocular pressure constitutes an emergency

Differential diagnosis of red eye with no injury

	Conjunctivitis	Corneal ulcer	Acute iritis	Acute glaucoma
Eye	Usually both eyes	Usually one eye	Usually one eye	Usually one eye
Vision	Normal	Usually decreased	Often decreased	Marked decrease
Eye pain	Normal or gritty	Usually very painful	Moderate pain, light sensitive	Severe pain (headache and nausea)
Discharge	Sticky	Watery	Watery	Watery
Conjunctiva	Generalised (variable) redness	Redness most marked around the cornea	Redness most marked around the cornea	Generalised redness
Cornea	Normal	Grey, white spot (fluorescein staining)	Usually clear, (keratitic precipitates may be visible with magnification)	Hazy (due to fluid in the cornea)



SUBCONJUNCTIVAL HEMORRHAGE

· MAY OR MAY NOT HAVE A HISTORY OF ASSOCIATED TRAUMA OR INJURY

(MAY HAVE JUST WOKEN UP WITH IT)

- GOOD PRACTICE TO EVALUATE FOR TRAUMA, I VENOUS PRESSURE (COUGHING, VALACUA), HYRERTENSION, + COAGNOPATHY

· USUALLY ASYMPTOMATIC → IF PAIN IS PRESENT, ASSESS FOR CORNEAL INJURY 4 OTHER CAUSES FOR PAIN

* HARMLESS, RESOLVES ON OWN WITH REABSORPTION OVER A FEW WEEKS

BLEPHARITIS

- CHRONIC INFLAMMATION OF THE EYELIO MARGINS

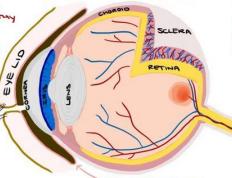
- CRUSTY, ITCHY, SWOLLEN RED EYELIOS

- · CAN BE ASSOCIATED WITH SEBORRHEIC DERMATITIS & ROSACEA
- · CLINICAL DIAGNOSIS
- . TREATMENT EYELIO HYGIENE CLEANSING, WARM COMPRESSES + EVELIO MASSAGE

MAY REDURE TORCAL ANTIBIOTICS IF SYMPTOMS PERSIST

PAINLESS RED EVE

DIFFERENTIAL DIAGNOSIS



EPISCLERMIS

= INFLAMMATION OF THE EPISCLERA ANTOUNDED THE CONJUNCTIVA + THE SCLERA)

- · USUALLY DEVELOPS ABRUPTLY
- . DEFINED AS EMER SIMPLE OR NOOVLAR CAN ALSO EMHER BE LOCALIZED OR DIFFUSE
- . DIAGNOSED CHNICALLY WITH CHARACTERISTIC BRIGHT RED. DILATED VESSELS
- · USVALLY PAINLESS, BUT MAY BE AIN IRRITATION & WATERING
- · SUPPORTIVE TX (ARTIFICIAL TEARS) USUALLY RESOLVES IT IN LESS THAN A FEW WEEKS

MAY REQUIRE NIGHTS OR STEROIDS IT PERSISTENT AND EVALUATION FOR OTHER DIRECTOR'S (SCLERITS) OR SYSTEMIC CONDITIONS (RIBUNATONO ARTHRIES)

KERATOCONJUNCTIVITIS

- AFFECTIVE " TIL OF THE U.S. POPULATION · A COMMON DISEASE
- RISK FACTORS

 - FEMALE SEX

 - MEDICATIONS (ANTICHOLINERGICS) * NION OF PATIENTS WITH CLI
 - SOME SYSTEMIC DISEASES (STÖGREN'S SYNDROME, PARKINSON DISEASE)

SALWARY + LACRIMAL

- DIAGNOSIS IS USUALLY MADE CLINICALLY BASED ON SYMPTOMS & PHYSICAL EXAM FINDINGS (CONTUNCTIVAL INTECTION, CORNER DAMAGE ...)
- SCHIRMER TEST : QUANTIFICATION OF TEARS BY PUTTING FILTER PAPER IN THE LONGE EYELIOS + MEASURING # OF MILLIMETERS UP THE STRIP THE TEARS GO OVER 5 MINUTES * PRODUCES VARIED RESULTS



= INFLAMMATION OF THE CONJUNCTIVA > MUCOUS MEMBRANE LAYER THAT COVERS THE ANTERIOR SCIERA (BULBAR CONJUNCTIVA) + THE INNOR EYELIOS (TARSAL CONJUNCTIVA)

COMJUNCTIVA

VIRAL CONJUNCTIVITIS



www . TYPICALLY CAUSED BY ADEMOVIRUS MMMM

> > VERY CONTAGIOUS VIA DIRECT CONTACT OR CONTAMINATED SURFACES (SWIMMING POOLS)

· SYMPTOMS = CONJUNCTIVAL INJECTION, WATERY MUCOSEROUS DISCHARGE, + A GRATU SENSATION

LY CRUSTING IN THE MORNING IS ALSO TYPICAL

- * 2nd EVE IS TYPICALLY AFFECTED 24-48 HOURS AFTER THE FIRST EYE
- . OFTEN ASSOCIATED WITH A VIRAL PRODROME
- . SYMPTOMS CAN LAST 2-3 WEEKS
- 4 THE REDNESS + DISCHARGE TYPICALLY GET WORSE THE FIRST 3-5 DAYS
- " TREATMENT : SUPPORTIVE, SYMPTOMATIC CARE (COLD COMPRESSES, DECONGESTANTS)

* SECONDARY BACTERIAL INFECTIONS ARE RARE



BACTERIAL CONTUNCTIVITIS

- · MOST COMMONLY CAUSED BY Staphylococcus aureus IN ADULTS
- . IN CHILDREN THESE ARE MORE COMMON
 - Strep pneumo
 - Haemophilus influenzae - Moraxella catarrhalis
- " SPREAD THROUGH DIRECT CONTACT
 - > VERY CONTAGIOUS!
- " THICK, GLOBULAR, PURULENT DISCHARGE IS CHARACTERISTIC + ITS PRESENCE, ESPECIALLY CONTINUOUS THROUGHOUT THE DAY, CAN HELP DISTINGUISH IT FROM VIKAL ETIOLOGIES
- " MAJORITY OF CRES (NOT DUE TO GONDRAHEA OR CHLAMYDIA OR AIM CONTACT LEWS USE) ARE SELF-LIMITING - " 60" RESOLVE NITHOUT ANTIBIOTICS IN 1-2 WEEKS
- . TOPICAL ANTIBIOTICS DECREASE DURATION OF DISEASE META-AMALYSIS OF > 3,500 PATIENTS SHOWED 1011- INCREASE IN THE RATE OF CLINICAL EMPROVEMENT WITH TOPICAL ABX
 - + ZERO SEVERE COMPLICATIONS IN EMIER TX OR PLACERO GROUPS
- . SOME TREATMENT OPTIONS:
 - ERYTHROMYON OINTMENT
 - TRIMOTHOPRIM POLYMYXIN B FOR 5-7 DAYS
 - AZITHROMYCH 11. LESS PREQUENT DOSING, BUT
- * CONTACT WEARERS ARE AT T RISK FOR PSEUDOMONAS CONJUNCTIVITIS (4 KERATITIS - CORNEAL INFLAMMATION) - IF KERATITIS IS RULED OUT, TREAT WITH A FLUOROGUINOLONE
- * CHRONIC CONTUNCTIVITIE: SYMPTOMS LASTING > 4 WEEKS
- * HYPERACUTE CONTUNKTIVITIE IS USUALLY OUE TO Neissera generohotale, IS MORE LIKELY TO BE PAINFUL . + REGULASS EMERGENT + CRITICAL CARE TREATMENT

ALLERGIC COMJUNCTIVITIS



- · COMMONLY ASSOCIATED WITH ATDRY:
 - ALLERGIC RHINITIS (MOST COMMON)
 - ECZEMA
 - ASTHMA
- · AVERAGE AGE OF ONSET = 20 YEARS, TYPICALLY OCCURRING LESS FREQUENTLY AS ONE AGES
- · PATHOPHYSIOLOGY : TYPE I HYPERSENSITIVITY REACTION (IGE)
- · CARDINAL SYMPTOM SPRURITUS TE ABSENT, CONSIDER DIFFERENT DIRGHOSIS
- " TREATMENT: START WITH COLD COMPRESSES & CHILLED ARTIFICIAL TEARS - AVOID ALLERGENS
 - OTC ANTHISTAMINES | VASOCONSTRICTORS CAN HELP BUT SHOULDN'T BE USED FOR MORE THAN 2 NEEKS DUE TO POSSIBLE REBOUND
- MORE SEVERE FORMS OF ALLERGIU OCULAR DISEASE EXIST INCLUDING VERNAL KERATOCONTUNCTIVITIS, WHICH PRESENTS WITH COBBLESTONING OF THE TARSAL CONJUNCTIVA



* AFFECTS ~ 20%

OF THE POPULATION

EACH YEAR



ACUTE ANGLE-CLOSURE GLAUCOMA



- RAPID LNCREASE IN INTRACULAR PRESSURE DUE TO SUDDEN BLOCKAGE OF ADUEOUS HUMDR
 - AQUEOUS HUMOR IS PRODUCED BY THE CILIARY BODY + DRAINS THO CAMAIS FOUND BETWEEN THE IRIS + CORNER > WITHOUT DRAWAGE, PRESSURE BUILDS UP + CAN CAUSE OPTIC MERVE DAMAGE
 - LA USUALLY TRIGGERED BY RAPID PUPILLARY DILATION -> DARK ROOM, ANTICHOLINERGIUS
- IN ADDITION TO EYE PAIN AND REDNESS, IT'S ASSOCIATED WITH:
 - 0 & VISION
- . HALOS AROUND LIGHTS
- · HEADACHE
- · NAUSER + VOMITING



AKA ANTERIOR UVEITIS

UVER = "grape" IN LATIN IS THE LAYER UNDER THE SCLERA CONSISTING OF THE IRIS, CILIARY BODY, 4 CHOROLO

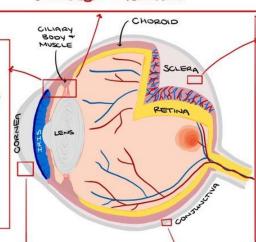
"CILIARY FLUSH" = CARDINAL SIGN OF IRITS THAT APPEARS AS A RED RING AROUND THE IRIS - ALSO KNOWN AS PERILIMBAL INJECTION

PUPIL IS USUALLY CONSTRUCTED + PODRLY REACTIVE

* SHINING A LIGHT IN THE OPPOSITE EYE (CONSENSUAL LIGHT PEFLEX) EXACERBATES PAIN

ETIOLOGY = INFECTION, AUTOIMMUNE DISEASE (REACTIVE ARTHRING)

& INFILTRATIVE DISEASE (SARCOID)



SCLERITIS

· CAUSES A SEVERE, BORING PAIN

Y RADIATES TO THE PERIORBITAL AREA

STACERBATED BY MOVEMENT * ISOLATED POSTERIOR SCLERAL INFLAMMATION MAY NOT HAVE ANY VISIBLE REPORTESS

· DESTRUCTIVE + CAN CAUSE BLINDNESS

4 1411- OF PATIENTS LOSE SIGNIFICANT VISUAL ACUITY MITHIN I YR + 30% WITHIN 3 YRS

ETIOLOGY - ABOUT HALF OF THE TIME IT IS ISOLATED 4 OTHER HALF ASSOCIATED WITH SYSTEMIC DISEASE

- MOST COMMONLY ASSOCIATED WITH RHEUMATOND ARTHRITIS

- GRANULOMATORS WITH FOLYANGITTS

- INFECTIONS (HEV. SYPHILIS, TR)

YORGUAR ANTERIOR SCLERITIS

NECROTIZING ANTERIOR SCIERITIS

KERATITIS

= CORNEAL INFLAMMATION

CAN BE DUE TO DIRECT ABRASION (CONTACTS) INFECTION VIRAL BACTERIAL KERATITS

* BIGGEST RICK FACTOR IMPROPER CONTACT LENS NEAR CORNEAL OPACITY

OR WHITE SPOT IS (i.e. overnight wear) CLASSIC TYPICAL BACTERIA : Staph, Strep + Pseudomonas

- MUCAPURULENT DISCHARGE

PARASITIC KERATIMS MCHOCERCIASIS . "RIVER BLINONESS" UE TO BLACKELY BITE

2nd LEADING CAUSE OF INFECTIOUS AFTER TRACHOMA

HLY GHOEMIC IN AFRICA WITH NIGERIA ZAIRE BEING THE MOST AFFECTED

*ACANTHAMOERA -> IN 2008 BOR A COMMET

KERATITIS

· HERPES SIMPLEX KERATINS

HAY SEE A BRANCHING OPACITY WITH PENLIGHT EXAM THAT IS HIGHLIGHTED BY FLUDRESCEIN

" CAN ALSO BE CAUSED BY VEV, EBV, CMV, + ADENOVIRUS

FUNGAL KERATITIS

- CANDIDA, ASPERGILLUS

DUE TO Chiamydia trachomatis

HYPERACUTE BACTERIAL CONJUNCTIVITIS

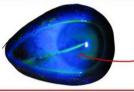
- · TYPICALLY CAUSED BY Neisseria gonorrhoeae VIA DIRECT INOCULATION FROM GENITAL SECRETIONS
- · CAN PROGRESS RAPIDLY TO CORNEAL PERFORATION
- " ASSOCIATED WITH COPIOUS PURULENT DISCHARGE THAT DEVELOPS QUICKLY AFTER INOCULATION (12 MVS)
- * REQUIRES AGGRESSIVE, INPATIENT TREATMENT + MONITORING



CORNEAL ABRASION

DIAGNOSIS CONFIRMED WITH FLUORESCEIN STAINING

~ 8-13.1. OF EVE PRESENTATIONS ARE DUE TO CORNEAL ABRASIONS



INJURY FROM A BRANCH

Differential Diagnosis of "red eye"

	Conjunctiva	Pupil	Cornea	Anterior Chamber	Intra Ocular Pressure
Subconjucntival hemorrhage	Bright Red	Normal	Normal	Normal	Normal
Conjunctivitis	Injected vessels, Discharge	Normal	Normal	Normal	Normal
Iritis	Injected around cornea	Small fixed irregular pupil	Normal	Turgid Deep	Normal
Acute glaucoma	Entire eye red	Fixed dilated pupil	Hazy	Shallow	High

Keratos 2007 The cornea is the transparent membrane that covers the iris and the pupila A córnea é a membrana transparente que cobre a íris e a púpila Limbus Limbo Córnea (only the pupil and the iris are usually visible apenas a púpila e a íris se vêm normalmente) Caruncula Punctum Orifício Lacrimal Conjunctiva Semi-transparent membrane that covers the inner lid surface Meibomian Glands on the edge of each lid and the scleral part of the eye Membrana quasi-transparente que cobre a parte interior da Glândulas de Meibomius no rebordo das pálpebras pálpebra do lado interno e a esclera

- "pink eye", conjunctivitis is the swelling or inflammation of the conjunctiva, the thin, transparent layer of tissue that lines the inner surface of the eyelid and covers the white part of the eye.
- Causes may or may not be infectious.

PINK EYE (DDX)

- Dry eyes
- Adult Blepharitis
- Allergic Conjunctivitis
- Chemical Burns
- Contact Lens Complications
- Episcleritis
- Iritis and Uveitis
- Scleritis

- · Glaucoma, Angle Closure, Acute
- Subconjunctival hematoma
- Viral Conjunctivitis

CAUSES & RISK FACTORS

- There are three main types of conjunctivities
 - allergic
 - Infectious
 - Viral
 - bacterial
 - chemical

Types of conjunctivitis

Allergic conjunctivitis



 there is itching and redness of the eye, swelling of the conjunctiva and the eyelid

Viral conjunctivitis



 redness of the eyes and periodic itching, increased lacrimation

Bacterial conjunctivitis



 redness, dryness of the eyes and the skin around them, mucopurulent discharge

ALLERGIC CONJUNCTIVITIS

Allergic conjunctivitis

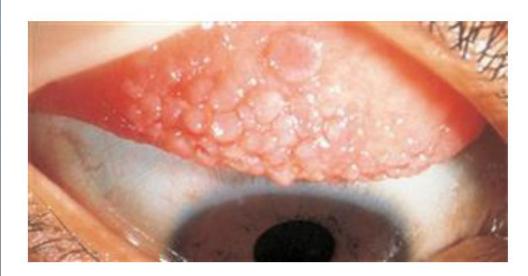
- occurs more commonly among people who alread have seasonal allergies.
- They develop it when they come into contact with substance that triggers an allergic reaction in their e



ALLERGIC CONJUNCTIVITIS

Giant papillary conjunctivitis

is a type of allergic conjunctivitis caused by the chronic presence of a foreign body in the eye.
 People who wear hard or rigid contact lenses, wear soft contact lenses that are not replaced frequently, have an exposed suture on the surface of the eye or have a prosthetic eye are more likely to develop this form of conjunctivitis



• Bacterial conjunctivitis: is an infection most often caused by staphylococcal or streptococcal bacteria from your own skin or respiratory system.

• Insects, physical contact with other people, poor hygiene (touching the eye with unclean hands), or using contaminated eye makeup and facial lotions can also cause the

infection. Sharing makeup and wearing con



 Viral conjunctivitis: is most commonly caused by contagious viruses associated with the common cold. It can develop through exposure to the coughing or sneezing of someone with an upper respiratory tract infection. Viral conjunctivitis can also occur as the virus spreads along the body's own mucous membranes, which connect the lungs, throat, nose, tear ducts and conjunctiva. Since the tears drain into the nasal

passageway, forceful nose blowing can cause a virusystem to your eyes.

 Ophthalmia neonatorum is a severe form of bacterial conjunctivitis that occurs in newborn babies. This is a serious condition that could lead to permanent eye damage if it is not treated immediately. Ophthalmia neonatorum occurs when an infant is exposed to chlamydia or gonorrhea while passing through the birth canal. For several years, U.S. delivery rooms have applied antibiotic ointment to babies' eyes as a standard prophylactic treatment.

CHEMICAL CONJUNCTIVITIS

• Chemical Conjunctivitis can be caused by irritants like air pollution, chlorine in swimming pools, and exposure to noxious chemicals.



SYMPTOMS

- Symptoms vary with the causes discussed above.
- Allergic_symptoms include clear, watery discharge along with mild redness. Itching, sometimes severe, may or may not occur.
- <u>bacterial</u> infections, there is typically <u>minimal</u> <u>pain</u> but a possibly dramatic appearance with moderate redness and almost always a <u>yellow/green</u> <u>discharge</u>, sometimes extreme. This discharge can also make the <u>eyelids</u> red and <u>swollen</u> and can attach itself to the eyelashes for a crusty appearance.
- Bacterial infections can be more severe in patients that wear contact lenses. There is also a risk of a
 bacterial corneal ulcer developing in contact lens wearers which would include severe pain and light
 sensitivity.
- Viral infections can also cause moderate redness and are usually painful. The pain is typically a sandy, gritty feel like something may be in the eye. There can also be a moderate to severe light sensitivity.

DIAGNOSIS

• Conjunctivitis can be diagnosed through a **comprehensive eye examination**. Testing,

with special emphasis on the conjunctiva and surrounding tissues, may in

 Patient history to determine the symptoms, when the symptoms began, and whether any general health or environmental conditions are contribute to the problem.

Visual acuity measurements to determine whether vision has been affect



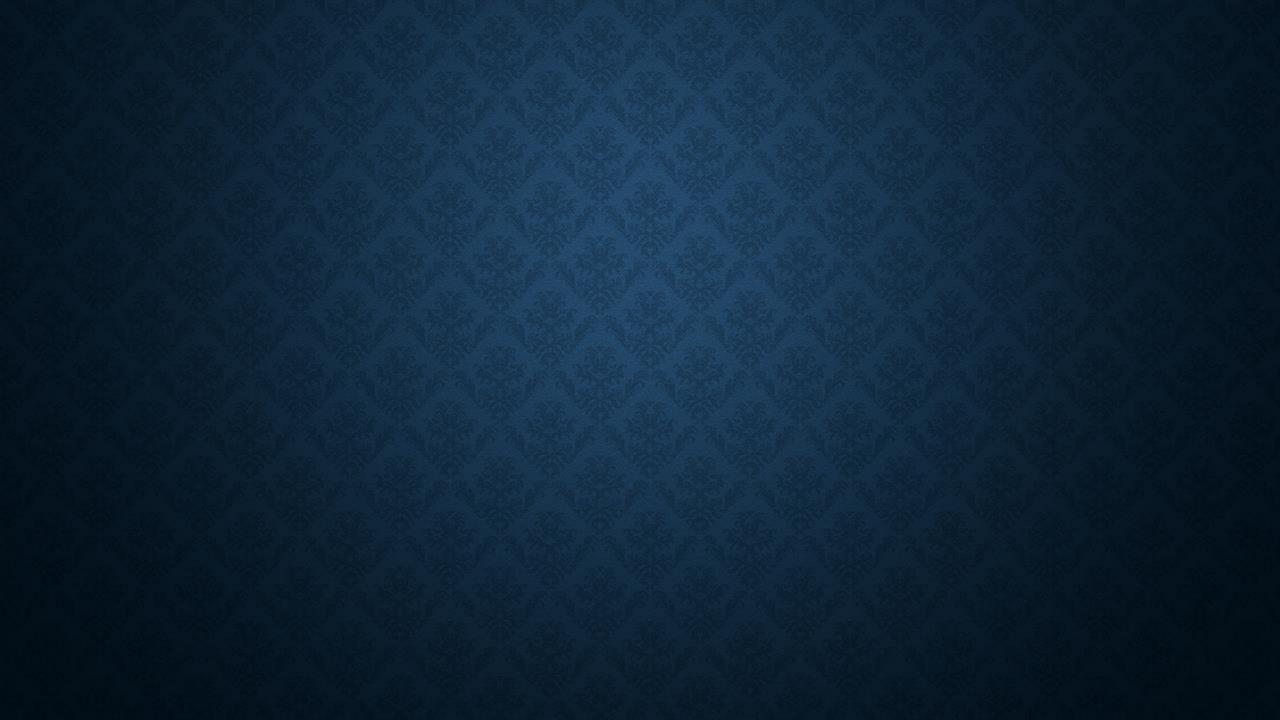
DIAGNOSIS

- Evaluation of the conjunctive and external eye tissue using bright light and magnification.
- Evaluation of the inner structures of the eye to ensure that no other tissues are affected by the condition.
- Supplemental testing, which may include taking cultures or smears of conjunctival tissue. This is particularly important in cases of chronic conjunctivitis or when the condition is not responding to treatment.
- Using the information obtained from these tests, an Ophthalmologis
 you have conjunctivitis and provide treatment options.



TREATMENT

- Treating conjunctivitis has three main goals:
- 1.Increase patient comfort.
- 2. Reduce or lessen the course of the infection or inflammation.
- 3. Prevent the spread of the infection in contagious forms of conjunctivitis.
- The appropriate treatment for conjunctivitis depends on its cause.



Anterior chamber (AC)	Normal	Occasionally creamy fluid level in the anterior chamber (hypopyon)	Cells will be visible with magnification	Shallow or flat
Pupil size	Normal and round	Normal and round	Small and can be irregular	Mid-dilated and oval
Pupil response to light	Active	Active	Minimal reaction as already small	Minimal or no reaction
Intraocular pressure (IOP)	Normal (but do not attempt to measure IOP). NB Risk of infection	Normal (but do not attempt to measure IOP)	Normal or slightly raised	Raised
Photophobia	Slight	Significant	Significant	None
Useful diagnostic sign / test	Discharge in both eyes with clear cornea, normal pupil and normal vision	White spot or mark on the cornea which stains with fluorescein	Small pupil which becomes irregular as it dilates	Very painful eye with poor vision and dilated pupil. Raised IOP and shallow AC

Management of a red eye with no injury

Conjunctivitis	Corneal ulcer	Acute iritis	Acute glaucoma
Treat	Refer	Refer	Refer
Antibiotic ointment x 3/day for 5 days. Advise on hygiene	Hourly antibiotic drops or ointment	Dilate the pupil only if diagnosis is confirmed	Oral diamox 500 mg and pilocarpine drops only if diagnosis is confirmed

ALLERGIC CONJUNCTIVITIS

- The first step is to remove or avoid the irritant, if possible. Cool compresses and artificial tears sometimes relieve discomfort in mild cases. In more severe cases, nonsteroidal anti-inflammatory medications and antihistamines may be prescribed. People with persistent allergic conjunctivitis may also require topical steroid eye drops.
- Oral antihistamines may also be prescribed.



- This type of conjunctivitis is usually treated with antibiotic eye drops or ointments.
- Bacterial conjunctivitis may improve after three or four days of treatment, but patients need to take the entire course of antibiotics to prevent a recurrence.
- Viral conjunctivitis. No drops or ointments can treat viral conjunctivitis. Antibiotics will not cure a viral infection. Like a common cold, the virus has to run its course, which may take up to two or three weeks. Symptoms can often be relieved with cool compresses and artificial tear solutions. For the worst cases, topical steroid drops may be prescribed to reduce the discomfort from inflammation. However, these drops will not shorten the infection. The viral infection Epidemic Keratoconjunctivitis (EKC) is very contagious and is the red-eye most associated with the term "pink eye".

CHEMICAL CONJUNCTIVITIS

- Careful flushing of the eyes with saline is a standard treatment for chemical conjunctivitis.
 People with chemical conjunctivitis also may need to use topical steroids.
- Severe chemical injuries, particularly alkali burns, are medical emergencies and can lead to scarring, damage to the eye or the sight, or even loss of the eye. If a chemical spills in your eye, flush the eye for several minutes with a lot of water before seeing your medical provider.
- Contact lens wearers may need to temporarily stop wearing their lenses while the condition
 is active. If conjunctivitis is due to wearing contact lenses, you may recommend switching to
 a different type of contact lens or disinfection solution. You might need to change the contact
 lens prescription to a lens that is replaced more frequently. This can help prevent
 conjunctivitis from recurring.

- Practicing good hygiene is the best way to control the spread of conjunctivitis.
- Once an infection has been diagnosed, follow these steps:
 - Don't touch your eyes with your hands.
 - Wash your hands thoroughly and frequently.
 - Change your towel and washcloth daily, and don't share them with others.
 - Discard eye cosmetics, particularly mascara.
 - Don't use anyone else's eye cosmetics or personal eye-care items.
 - Follow your eye doctor's instructions on proper contact lens care.

- Soothe the discomfort of viral or bacterial conjunctivitis by applying warm compresses to your affected eye or eyes.
- To make a compress, soak a clean cloth in warm water and wring it out before applying
 it gently to your closed eyelids.
- For allergic conjunctivitis, avoid rubbing the eyes. Instead of warm compresses, use cool compresses to soothe your eyes. Over-the-counter eye drops might also help.
 Antihistamine eye drops can alleviate the symptoms, and lubricating eye drops can rinse the allergen off the surface of the eye.

PREVENTION

- With so many causes, there is no one preventive measure. Early diagnosis and treatment will help prevent the condition from becoming worse.
- Avoiding allergy triggers as much as possible also helps.
- Frequent hand washing and keeping hands away from eyes also can make a difference, even when no problems are present.

•

THANKS FOR YOUR ATTENTION

Dr Ghasem Saeedi

Board-certified Ophthalmic Surgeon

Assistant Professor at Medical University