

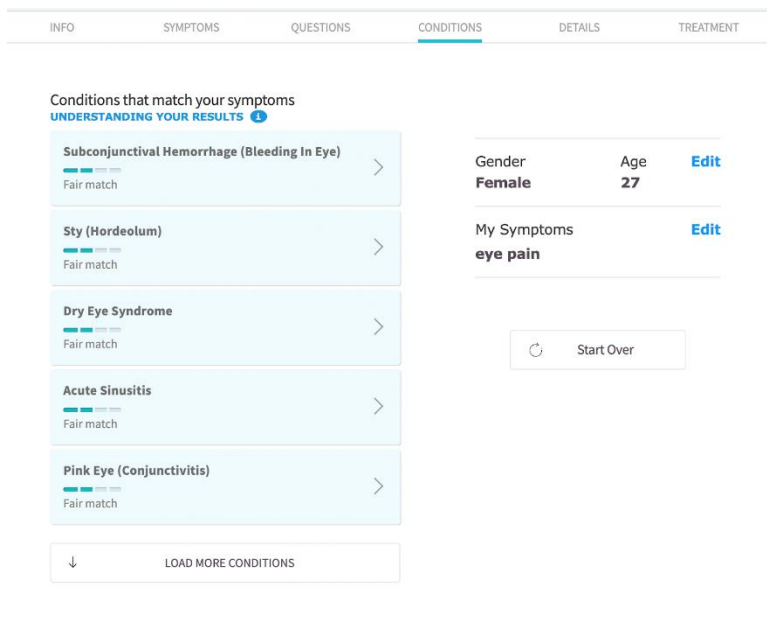
## Novelty of the Proposed Project as Compared to Past Project

Hospitals' websites usually have a search engine for the patients to search for the doctors they want. However, these tools are assuming that patients have knowledge on the kind of disease they are having or the specialties of the doctors that they should go to. Take the popular search engine, which is Google as an example. When I type in "I am having a cough and flu", I don't get the list of doctors that I should go to, rather, I get explanations about my symptoms. The explanations can be helpful, but they don't serve the purpose of finding a doctor.



Another website that looks similar but doesn't accomplish what we do is WebMD at <https://symptoms.webmd.com/>. WebMD takes the user input, which is the symptom, and suggests disease associated with it, for example when I put "eye pain", WebMD would suggest "dry eye syndrome", and the associated treatment. However, the tool doesn't give me suggestions on the doctors that I should be seeing for my condition.

*Suggested disease from WebMD.*



*Suggested treatment from WebMD.*

The screenshot shows the WebMD website with the 'TREATMENT' tab selected. On the left, a list of conditions matching symptoms includes Subconjunctival Hemorrhage, Sty (Hordeolum), Dry Eye Syndrome (highlighted), Acute Sinusitis, and Pink Eye (Conjunctivitis). The main content area for 'Dry Eye Syndrome' lists treatments such as switching medications, taking eye drops, using dietary supplements, and having surgery. A 'Do you think you have this condition?' poll is also visible.

Conditions that match your symptoms

**UNDERSTANDING YOUR RESULTS**

- Subconjunctival Hemorrhage (Bleeding In Eye) Fair match
- Sty (Hordeolum) Fair match
- Dry Eye Syndrome** Fair match
- Acute Sinusitis Fair match
- Pink Eye (Conjunctivitis) Fair match

LOAD MORE CONDITIONS

Previous

### Dry Eye Syndrome

Dry eyes | Keratitis sicca | Xerophthalmia | Keratoconjunctivitis sicca

CONDITION DETAILS TREATMENT OPTIONS

#### Treatment

Treatments for dry eye syndrome include:

- Switching medications if a medicine you are taking is causing dry eye syndrome
- Taking medications to help make more tears or reduce swelling
- Taking dietary supplements such as omega-3 fatty acids
- Temporarily plugging the holes where tears drain so tears stay on the eye's surface
- Having surgery to close tear drainage holes permanently

Know Your Treatment Options >

**Do you think you have this condition?**

Yes No Maybe

#### Take Care Of Yourself

You can ease the symptoms of dry eye syndrome with these self.

Another website that is similar would be mayoclinic.org. The cons about Mayo Clinic website is that you would have to go through multiple tabs to search for the doctors that you need to see.

The screenshot shows the Mayo Clinic website with a search bar containing 'dry eyes and painful eyes'. The search results page displays a list of articles, including 'Dry eyes - Symptoms and causes - Mayo Clinic', 'Watery eyes Causes - Mayo Clinic', and 'Red eye Causes - Mayo Clinic'. The right sidebar contains an 'Advertisement' section with links to Mayo Clinic Press, Mayo Clinic on Incontinence, and Mayo Clinic Health Letter.

results?q=dry%20eyes%20and%20painful%20eyes

MAYO CLINIC

dry eyes and painful eyes

Request an Appointment  
Find a Doctor  
Find a Job  
Give Now

Log in to Patient Account  
English

CARE AT MAYO CLINIC HEALTH INFORMATION FOR MEDICAL PROFESSIONALS RESEARCH COLLEGE OF MEDICINE AND SCIENCE GIVING TO MAYO CLINIC

#### Narrow your Search

Topic:  
View All  
Patient Care & Health Information (712)  
Drugs & Supplements (685)  
News From Mayo Clinic (4)  
For Medical Professionals (1)

Search Results 1-10 of 726 for dry eyes and painful eyes

#### Dry eyes - Symptoms and causes - Mayo Clinic

If you have **dry eyes**, your **eyes** may sting or burn.

#### Watery eyes Causes - Mayo Clinic

Symptoms Watery **eyes** Causes By Mayo Clinic Staff  
Watery **eyes** can be due to many factors and conditions.

#### Red eye Causes - Mayo Clinic

Symptoms Red **eye** Causes By Mayo Clinic Staff  
Allergies Blepharitis (eyelid inflammation) Chalazion (a type of cyst on your eyelid) Complication from a recent **eye** surgery Contact lens complication Corneal abrasion (sc...

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#### Mayo Clinic Press

Check out these best-sellers and special offers on books and newsletters from Mayo Clinic Press.

Mayo Clinic on Incontinence

NEW - The Essential Diabetes Book

NEW - Mayo Clinic on Hearing and Balance

FREE Mayo Clinic Diet Assessment

Mayo Clinic Health Letter - FREE book

After you click on one of the search options, you are brought to another page where you can select the tab for doctors and appointments. The issue with this design is that it

requires patients to have at least some medical knowledge on their condition to be able to navigate the page to find the right doctor.

Patient Care & Health Information > Diseases & Conditions

Dry eyes

Request an Appointment

Symptoms & causes

Diagnosis & treatment

Doctors & departments

Overview

Print

Dry eye disease is a common condition that occurs when your tears aren't able to provide adequate lubrication for your eyes. Tears can be inadequate and unstable for many reasons. For example, dry eyes may occur if you don't produce enough tears or if you produce poor-quality tears. This tear instability leads to inflammation and damage of the eye's surface.

Dry eyes feel uncomfortable. If you have dry eyes, your eyes may sting or burn. You may experience dry eyes in certain situations, such as on an airplane, in an air-conditioned room, while riding a bike or after looking at a computer screen for a few hours.

Treatments for dry eyes may make you more comfortable. These treatments can include lifestyle changes and eye drops. You'll likely need to take these measures indefinitely to control the symptoms of dry eyes.

Products & Services

Book: Mayo Clinic Guide to Better Vision

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Mayo Clinic Press

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Mayo Clinic on Incontinence

NEW – The Essential Diabetes

NEW – Mayo Clinic on Hearing

FREE Mayo Clinic Diet Assess

Mayo Clinic Health Letter - FRI

In summary, the most novel part of this project is to enable people without any medical knowledge to search for doctors based on their symptoms quickly.