

Skinnovation

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# Different Types of Skin Disorders



ABOUT PROJECT

## ABOUT PROJECT

### Problem

Nowadays people are suffering from skin diseases, More than 125 million people suffering from psoriasis also skin cancer rate is rapidly increasing over the last few decades especially Melanoma is most diversifying skin cancer. If skin diseases are not treated at an earlier stage then it may lead to complication in the body including spreading of the infection from one individual to the other. The skin diseases can be prevented by investing the infected areas thoroughly. Your skin is the large organ that covers and protects your body. Your skin has many functions. It works to: Hold in fluid and prevent dehydration. Help you feel sensations, such as temperature or pain. Keep out bacteria, viruses and other causes of infection. Stabilize your body temperature. Synthesize (create) vitamin D in response to sun exposure. Skin diseases include all conditions that clog, irritate or inflame your skin. Often, skin diseases cause rashes or other changes in your skin's appearance.

### Common types of skin diseases:

Some skin diseases are minor. Others cause severe symptoms. Some

### Solution

To overcome this problem we are building a model which is used for the prevention and early detection of skin cancer, psoriasis. Basically, skin disease diagnosis depends on the different characteristics like color, shape, texture etc. Here the person captures the images of skin and then image will be sent to the trained model. Not all skin disorders respond to treatment. Some conditions go away without treatment. People with permanent skin conditions often go through periods of severe symptoms. Sometimes people are able to force incurable conditions into remission. However, most skin conditions reappear due to certain triggers, such as stress or illness.

### Preventing skin disorders

Certain skin disorders aren't preventable, including genetic conditions and some skin problems due to other illnesses. However, it's possible to prevent some skin disorders.

Follow these tips to prevent infectious skin disorders:

- Wash your hands with soap and warm water frequently.

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### Common types of skin diseases:

Some skin diseases are minor. Others cause severe symptoms. Some of the most common skin diseases include:

- Acne, blocked skin follicles that lead to oil, bacteria and dead skin buildup in your pores.
- Alopecia areata, losing your hair in small patches.
- Atopic dermatitis (eczema), dry, itchy skin that leads to swelling, cracking or scaldiness.
- Psoriasis, scaly skin that may swell or feel hot.
- Raynaud's phenomenon, periodic reduced blood flow to your fingers, toes or other body parts, causing numbness or skin color change.
- Rosacea, flushed, thick skin and pimples, usually on the face.
- Skin cancer, uncontrolled growth of abnormal skin cells.
- Vitiligo, patches of skin that lose pigment.

### Some types of rare skin diseases:

Many rare skin diseases are genetic, meaning you inherit them. Some rare skin diseases include:

- Actinic prurigo (AP), itchy rash in response to sun exposure.
- Argyria, changes in skin color due to silver buildup in your body.

Certain skin disorders aren't preventable, including genetic conditions and some skin problems due to other illnesses. However, it's possible to prevent some skin disorders.

Follow these tips to prevent infectious skin disorders:

- Wash your hands with soap and warm water frequently.
  - Avoid sharing eating utensils and drinking glasses with other people.
  - Avoid direct contact with the skin of other people who have an infection.
  - Clean things in public spaces, such as gym equipment, before using them.
  - Don't share personal items, such as blankets, hairbrushes, or swimsuits.
  - Sleep for at least seven hours each night.
  - Drink plenty of water.
  - Avoid excessive physical or emotional stress.
  - Eat a nutritious diet.
  - Get vaccinated for infectious skin conditions, such as chickenpox.
  - Noninfectious skin disorders, such as acne and atopic dermatitis, are sometimes preventable.
- Prevention techniques vary depending on the condition. Here are some tips for preventing some noninfectious skin disorders:
- Wash your face with a gentle cleanser and water every day.
  - Use moisturizer.



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### Some types of rare skin diseases:

Many rare skin diseases are genetic, meaning you inherit them. Some rare skin diseases include:

- Actinic prurigo (AP), itchy rash in response to sun exposure.
- Argryria, changes in skin color due to silver buildup in your body.
- Chromhidrosis, colored sweat.
- Epidermolysis bullosa, a connective tissue disorder that causes fragile skin that blisters and tears easily.
- Harlequin ichthyosis, thick, hard patches or plates on the skin that are present at birth.
- Lamellar ichthyosis, waxy skin layer that sheds in the first few weeks of life, revealing scaly, red skin.
- Necrobiosis lipoidica, rash on the lower legs that can develop into ulcers (sores).

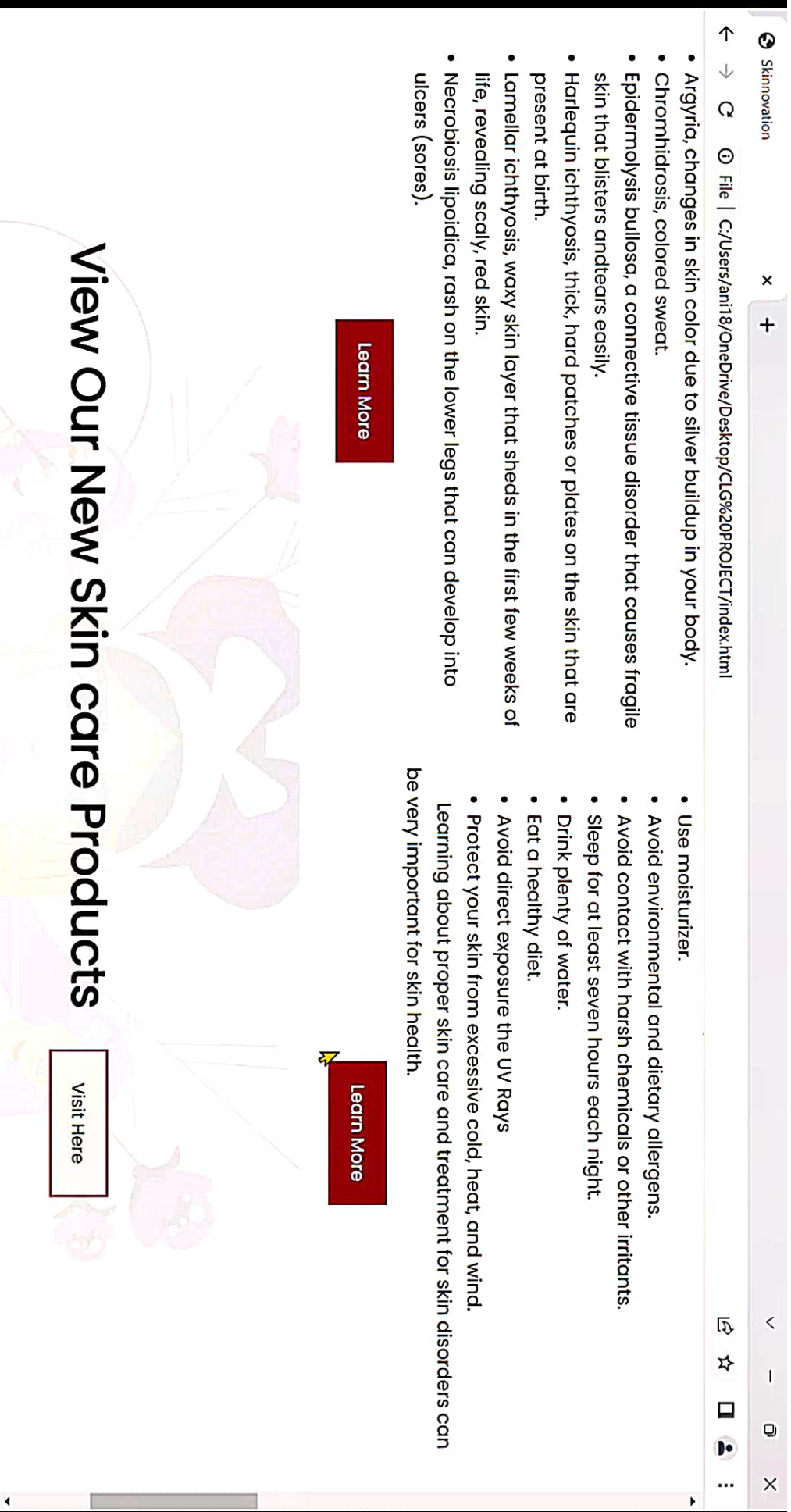
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Prevention techniques vary depending on the condition. Here are some tips for preventing some noninfectious skin disorders:

- Wash your face with a gentle cleanser and water every day.
  - Use moisturizer.
  - Avoid environmental and dietary allergens.
  - Avoid contact with harsh chemicals or other irritants.
  - Sleep for at least seven hours each night.
  - Drink plenty of water.
  - Eat a healthy diet.
  - Avoid direct exposure to the UV Rays
  - Protect your skin from excessive cold, heat, and wind.
- Learning about proper skin care and treatment for skin disorders can be very important for skin health.

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