LupusLight Website

- Group 4: Rui Miao, Xiaoqian Sun

User Create & Login

User Login

Username

Password

LOGIN

Hello Friend!

To keep connected, please register an account

SIGN UP

Welcome Back!

To keep connected, please register an account

LOG IN

Create Account

Username

Password

Confirm Password

Choose File | No file chosen

Gene Data not Gathered - Please head to xxx to extract your gene data

SUBMIT

Report

LupusLight

My Result

Based on you RNA-seqquence information, we classified you 🌟 as **Lupus Carrier.** Please contact your doctor for further diagnosis.

Fact About Lupus

Lupus is an inflammatory disease caused when the immune system attacks its own tissues.

multiple autoimmune diseases, including. Common diseases that overlap with lupsu include Celia disease, Myasthenia gravis, Rheumatoid arthritis etc. **Inflammation** caused by Lupus can affect many areas in body, including kidneys, brain and central nervous, lungs, heart and so on.

1/3
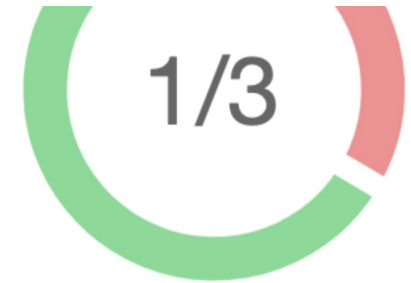
People have only a few mild symptoms at the beginning, such as fatigue, rash on skin, dry mouth or eyes, which makes the diagnosis difficult.
There is no single test to diagnose lupus. Typically, the combination of blood and urine tests, signs and symptoms, and physical examination findings are used for diagnosis.
On average, it takes nearly **6** years for people with lupus to be diagnosed, from the time they first notice their lupus symptoms.
63% of people with lupus surveyed report being incorrectly diagnosed.

6 🗓 **365**

DONATE FOR LUPUS FAMILY   BUILD DAILY LUPUS PROFILE

Lupus Lifelog

Current Location: 20052

Edit Symptoms

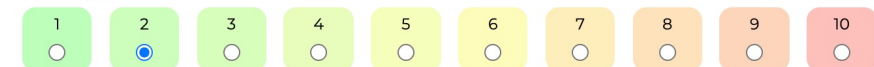|		
☑ Joints Pain	☐ Joints Swellings	☐ Fatigue
☐ Muscle Pain	☐ Fever	☐ Rash
☐ Chest Pain	☑ Hair Loss	☐ Sun or light sensitivity
☐ Kidney	☐ Mouth sores	☐ Anemia
☐ Dry Eyes	☐ Eye Inflammation	☑ Eyelid Rashes

SUBMIT

My Lupus Lifelog

Joint Pain:

1	2	3	4	5	6	7	8	9	10
○	○	○	○	○	○	○	○	●	○

Hair Loss:

1	2	3	4	5	6	7	8	9	10
○	●	○	○	○	○	○	○	○	○

Eyelid Rashes:

1	2	3	4	5	6	7	8	9	10
○	○	○	○	○	●	○	○	○	○
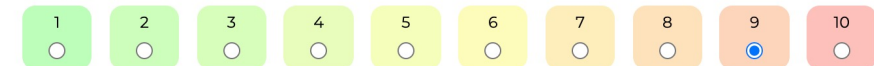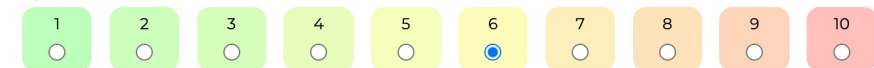
SUBMIT

Daily Update

Today is Sunny ☀️

Location	Washington, District of Columbia

Temperature	84.9 F

UV Index   7 of 10

UV Index is high today. We suggest you wear sunscreen with at least SPF 30 and avoid UV rays outside which are at their peak between 10 a.m. and 4 p.m.

Humidity   65%

Humidity today is high. We suggest wear extra layer, stay warm, turn on dehumidifier and work out a little bit. Check below for today's exercise.

Yummy&Healthy Recipe

Eat well is important to keep energetic and healthy, especially for Lupus groups. Let check out today's Recipe.

BERRY-BANANA SMOOTHIE

This delicious smoothie is great for lupus patients experiencing fatigue but will also help prevent bone loss and cardiovascular disease.

PREP: 10 minutes

MAKES: 2 servings (about a cup each)

Ingredients:
- 1 cup of low-fat yogurt (any flavor)
- 1/2 cup of round oat cereal (i.e. Cheerios)
- 2 tablespoons ground flax-seed or flax-seed meal
- 1/2 cup fresh strawberry halves or raspberries, or frozen whole strawberries
- 1/2 cup skim milk or vanilla Rice Drink (non-dairy beverage)
- 1/2 banana

Place all ingredients in blender. Cover and blend on high speed 10 seconds; stop blender to scrape sides. Cover and blend about 20 seconds longer or until smooth. Pour mixture into glasses. Serve immediately.

Nutrition Facts Per Serving:

Calories 245; Fat 4g; Saturated Fat 1g; Trans Fat 0g; Cholesterol 0mg; Sodium 125mg

BACK TO REPORT

Code

Code Example 1 - Scale


```
authentication > Page > ▨ LifeLog.elm > ...

         local | 3 references
254    jointSwellingView: User -> Html Msg
255  ∨ jointSwellingView user =
256  >      if user.jointSwelling then⋯
292  >      else ⋯
294

         local | 3 references
295    fatigueView: User -> Html Msg
296  ∨ fatigueView user =
297  >      if user.fatigue then⋯
333  >      else ⋯
335

         local | 3 references
336    musclePainView: User -> Html Msg
337  ∨ musclePainView user =
338  ∨      if user.musclePain then
339             div [ class "logRow"]
340                 [
341                     h5 [] [text "Muscle Pain:"]
342                     , span [] [
343                         text "1"
344                         , input [ type_ "radio", name "musclePainNum", onClick <| UpdateLevel "musclePain" 1 ] []
345                     ]
346                     ,span [] [text "2"
347                         , input [ type_ "radio", name "musclePainNum", onClick <| UpdateLevel "musclePain" 2 ] []
348                     ]
349                     ,span [] [text "3"
350                         , input [ type_ "radio", name "musclePainNum", onClick <| UpdateLevel "musclePain" 3 ] []
351                     ]
352                     ,span [] [text "4"
353                         , input [ type_ "radio", name "musclePainNum", onClick <| UpdateLevel "musclePain" 4 ] []
354                     ]
355                     ,span [] [text "5"
356                         , input [ type_ "radio", name "musclePainNum", onClick <| UpdateLevel "musclePain" 5 ] []
357                     ]
358                     ,span [] [text "6"
359                         , input [ type_ "radio", name "musclePainNum", onClick <| UpdateLevel "musclePain" 6 ] []
360                     ]
361                     ,span [] [text "7"
```

Joint Pain:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ |

Code Example 2– API

```elm
exposed | 9 references
type alias Weather =
    { location : WeatherLocation
    , current : WeatherCurrent
    }

local | 4 references
type alias WeatherLocation =
    { name : String
    , region : String
    , country : String
    , lat : Float
    , lon : Float
    , tz_id : String
    , localtime_epoch : Int
    , localtime : String
    }

local | 4 references
type alias WeatherCurrentCondition =
    { text : String
    , icon : String
    , code : Int
    }

local | 4 references
type alias WeatherCurrentAir_quality =
    { co : Float
    , no2 : Float
    , o3 : Float
    , so2 : Float
    , pm2_5 : Float
    , pm10 : Float
    , usepaindex : Int
    , gbdefraindex : Int
    }
```

```elm
exposed | 5 references
weatherDecoder : Json.Decode.Decoder Weather
weatherDecoder =
    Json.Decode.succeed Weather
        |> required "location" decodeWeatherLocation
        |> required "current" decodeWeatherCurrent

local | 3 references
decodeWeatherLocation : Json.Decode.Decoder WeatherLocation
decodeWeatherLocation =
    Json.Decode.succeed WeatherLocation
        |> required "name"   Json.Decode.string
        |> required "region"  Json.Decode.string
        |> required "country"  Json.Decode.string
        |> required "lat"  Json.Decode.float
        |> required "lon"  Json.Decode.float
        |> required "tz_id"  Json.Decode.string
        |> required "localtime_epoch"  Json.Decode.int
        |> required "localtime"  Json.Decode.string

local | 3 references
decodeWeatherCurrentCondition : Json.Decode.Decoder WeatherCurrentCondition
decodeWeatherCurrentCondition =
    Json.Decode.succeed WeatherCurrentCondition
        |> required "text"  Json.Decode.string
        |> required "icon"  Json.Decode.string
        |> required "code"  Json.Decode.int
```

Code Example 3 - to external link

```
local | 3 references
button1 :  Element Msg
button1 =
    Input.button
        [
        Background.color(Element.rgb 0.55 0.73 0.85),
        paddingXY 25 15, Border.rounded 3,
        Element.mouseOver[Background.color(Element.rgb 0.1 0.18 0.95)],
        Element.focused[Background.color(Element.rgb 0.1 0.18 0.95)] ]{
            onPress = Just GoDonate,
            --link[]{ label = text "donate", url = "http://fruits.com"},
            label = el [Font.size 19, Font.color(Element.rgb 1 1 1), Font.bold, spacing 20](text "DONATE FOR LUPUS FAMILY")
```

```
exposed | 4 references
update : Msg -> Model -> ( Model, Cmd Msg )
update msg model =
    case msg of
        GoDonate ->
            (model, Nav.load "https://support.lupus.org/site/Donation2;jsessionid=00000000.
        GoSymptoms ->
            (model, Nav.pushUrl model.navKey <| "/users/symptoms/"++model.userId)
```

Reference

+ https://guide.elm-lang.org

+ https://package.elm-lang.org

+ https://elmprogramming.com/

+ https://www.lupus.org/

+ https://www.cdc.gov/lupus/index.htm

Q&A

Thank you.

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