



# EHA Diagnosis

An EHA member benefit





# Dashboard

The screenshot shows a web dashboard for 'EHA Diagnosis'. On the left is a dark sidebar with a navigation menu. The main content area is white and features a 'Case Submission' button in the top right. Below this is the 'EHA Diagnosis' title and a 'Hello,' greeting. A welcome message follows, describing the site as a comprehensive collection of images and tools for hematological diagnosis. To the right of this message is a link to 'Read more.' Below the text is a light blue banner with the heading 'We are live!' and a message about the launch of a new resource focusing on Acute Myeloid Leukemia. To the right of the text in the banner is a microscopic image of tissue. At the bottom of the main area, there is a section for 'Featured entries...' with two image thumbnails.

←

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 eha

Case Submission 

## EHA Diagnosis

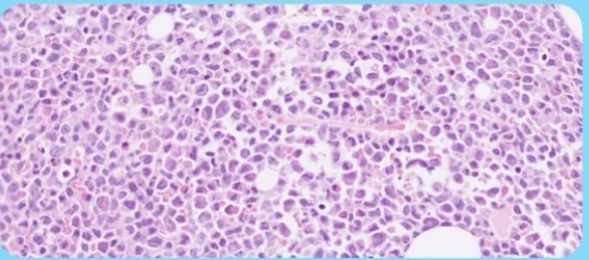
Hello,

Welcome to EHA Diagnosis, a comprehensive collection of images and tools to aid the recognition and diagnosis of hematological conditions.



Explore a database of reference images in the gallery, learn key diagnostic features in the diagnosis section. [Read more.](#)

**We are live!**

We are thrilled to be launching this exciting new resource with our first collection of diagnoses and reference images, focusing on Acute Myeloid Leukemia.

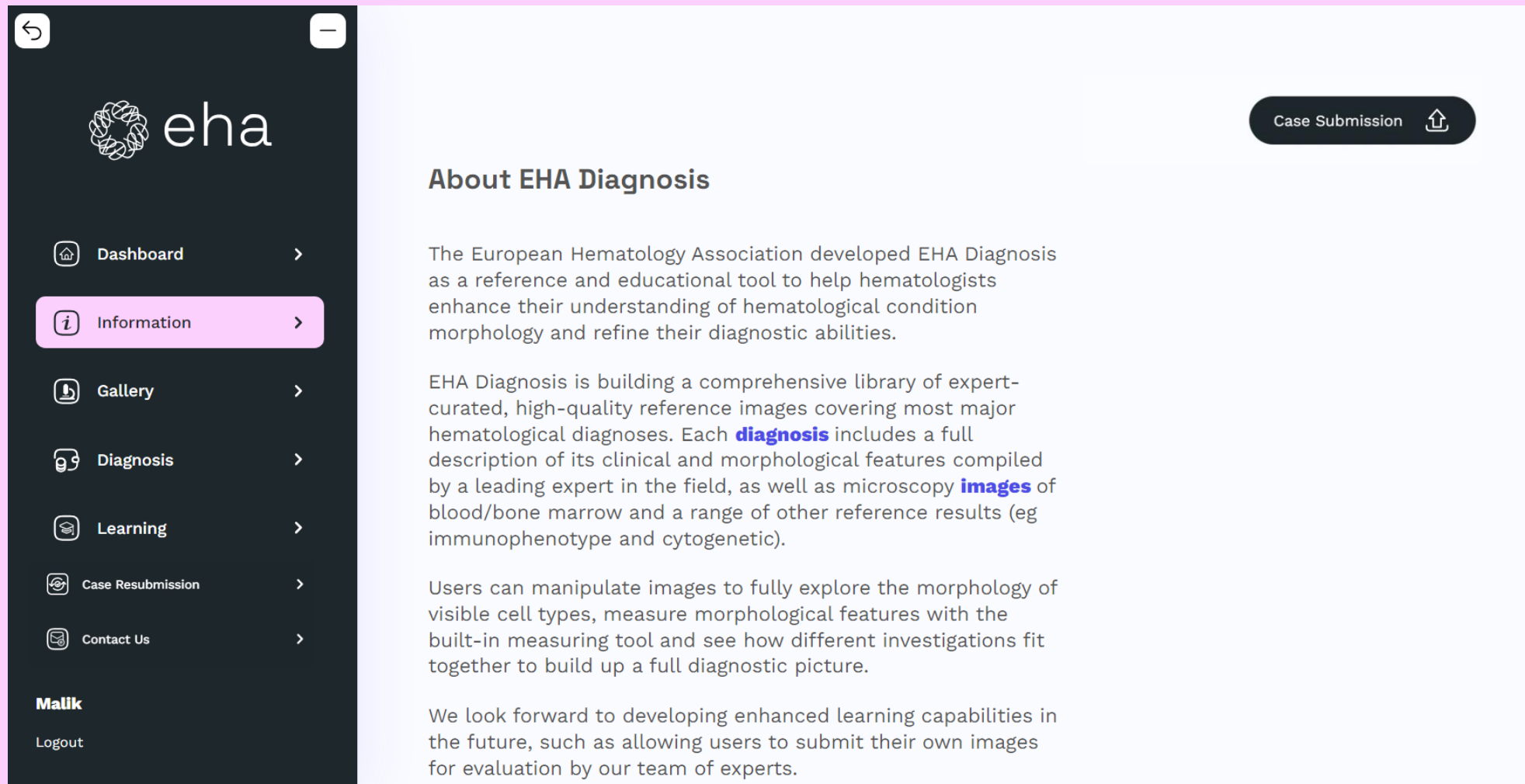


Featured entries...



Home page

# Information




**About EHA Diagnosis**

The European Hematology Association developed EHA Diagnosis as a reference and educational tool to help hematologists enhance their understanding of hematological condition morphology and refine their diagnostic abilities.

EHA Diagnosis is building a comprehensive library of expert-curated, high-quality reference images covering most major hematological diagnoses. Each **diagnosis** includes a full description of its clinical and morphological features compiled by a leading expert in the field, as well as microscopy **images** of blood/bone marrow and a range of other reference results (eg immunophenotype and cytogenetic).

Users can manipulate images to fully explore the morphology of visible cell types, measure morphological features with the built-in measuring tool and see how different investigations fit together to build up a full diagnostic picture.

We look forward to developing enhanced learning capabilities in the future, such as allowing users to submit their own images for evaluation by our team of experts.

Case Submission 

Important information about the website. TO READ!

# Gallery

The screenshot displays the eha Gallery application interface. On the left is a dark sidebar menu with the following items: Dashboard, Information, Gallery (highlighted in pink), Diagnosis, Learning, Case Resubmission, and Contact Us. At the bottom of the sidebar, the name 'Malik' and a 'Logout' button are visible. The main content area is titled 'Gallery' and features a search bar with a 'Search' button and two filter dropdowns: '- Morphology -' and '- Diagnosis -'. Below the filters, there are three gallery items. The first two items are placeholders with the text '[Placeholder]'. The third item is titled 'Acute basophilic leukemia - Cytology (peripheral blood)' and includes a 'Scan' button. Below the main gallery items, there are three small thumbnail images of cytology slides.

Select, Filter and Search for visual content

# Gallery

The screenshot displays the eha mobile application interface. On the left is a dark sidebar menu with the eha logo at the top and navigation options: Dashboard, Information, Gallery (highlighted in pink), Diagnosis, Learning, Case Resubmission, and Contact Us. At the bottom of the sidebar are the user name 'Malik' and a 'Logout' button. The main content area features a 'Back' button at the top left. Below it is a microscopy image of peripheral blood cells. The image includes a 'Back' button, a 'Refresh' icon, a 'Ruler' icon, a 'Crop' icon, a vertical zoom slider with two blue handles, and a 'Search' icon at the bottom right. A small inset image in the bottom left of the main image shows a zoomed-in view of a single cell. To the right of the image, the following metadata is displayed:

**Title:**  
Acute basophilic leukemia - Cytology (peripheral blood)

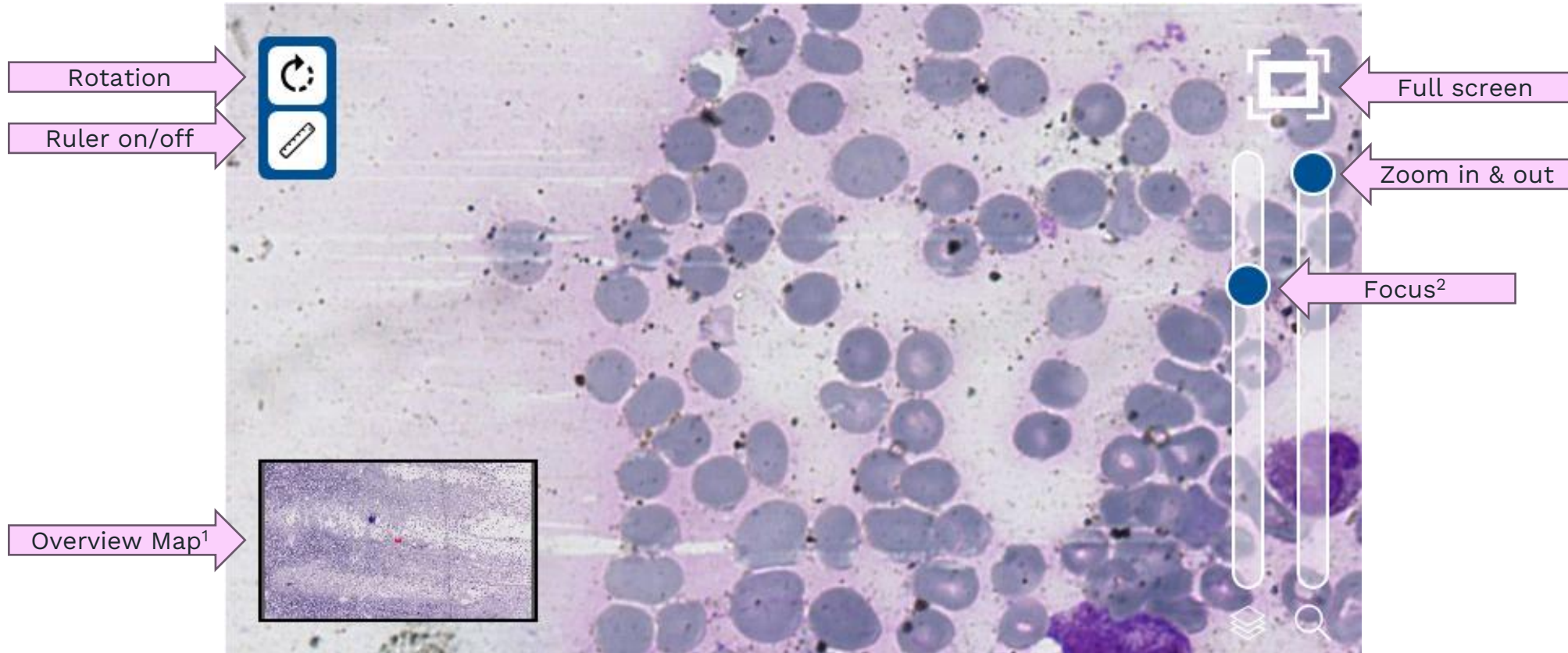
**Description:**  
Peripheral blood cytology from a patient with acute basophilic leukemia.

**Diagnosis:**  
Acute basophilic leukemia

**Author:**  
Stamatopoulos, Basile (Belgium)

The digital microscope and some metadata

# Digital microscope



## 1. Overview Map

Left click on the map to jump to the selected position at the current magnification. Hold the left button down and move to quickly pan around the image.

## 2. Focus

Multi focal planes are available with specific images.

## 3. Save image

Right click on the image, select 'Save image as'.

**Please acknowledge the author(s).**

About the digital microscope and saving a selection

# Diagnosis selection

The screenshot displays the 'Diagnosis' section of the eha mobile application. The left sidebar is dark with white text and icons. The 'Diagnosis' option is highlighted in pink. The main content area is white with a dark purple sidebar for category navigation. The category 'Myeloproliferative neoplasms' is selected, showing a list of seven diagnoses. A 'Case Submission' button is located in the top right corner of the main content area.

Category	Diagnosis
Myeloproliferative neoplasms	Primary myelofibrosis
	Chronic myeloid leukemia, <i>BCR::ABL1</i> -positive
	Chronic neutrophilic leukemia
	Polycythemia vera
	Essential thrombocythemia
	Chronic eosiniphilic leukemia, not otherwise

To select a specific diagnosis

# Diagnosis page

prolymphocytes with a mature T-cell phenotype.

**Symptoms**  
Hepatosplenomegaly, generalized lymphadenopathy, anemia and thrombocytopenia are common. The lymphocyte count is frequently  $>100 \times 10^9/L$ , and skin infiltration is seen in 20% of patients.

**Prognosis**  
The overall prognosis is poor, with a median survival of 1–2 years. Poor prognosis markers include high *TCL1* and *AKT1* levels and *STAT5B* mutations. The best responses are reported in patients treated with the monoclonal antibody alemtuzumab (anti-CD52), and stem-cell transplantation should be considered for patients achieving remission with immunotherapy.

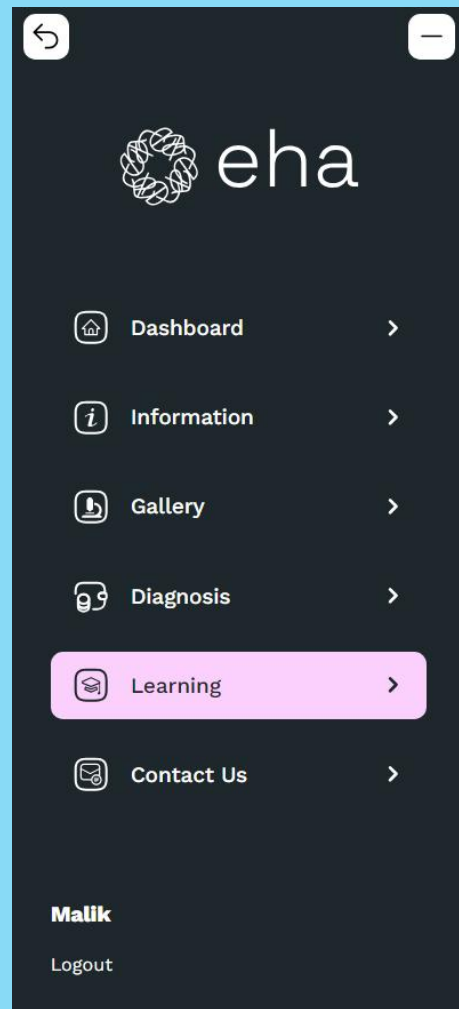
**Morphology**

**Immunophenotype**  
T-cells express classical T-lineage markers (CD2, CD5, CD3, and CD7) and also *TCL1* and CD52. They are negative for TdT or CD1a. Around two thirds of the patients have a CD4-positive/CD8-negative immunophenotype, and 15% have a CD4-negative/CD8-positive immunophenotype. The remaining 25% express both CD4 and CD8. High expression of CD52 is common.

**Genetics**  
*TR* genes (*TRB* and *TRG*) are clonally rearranged. The two most common chromosomal

After selecting a diagnosis, you land on the diagnosis page

# Learning



Test your morphological knowledge with the EHA Diagnosis Quiz generator. Take as many questions as you wish and explore the images to learn more.

We are actively expanding our question database to provide you with a more comprehensive learning experience.

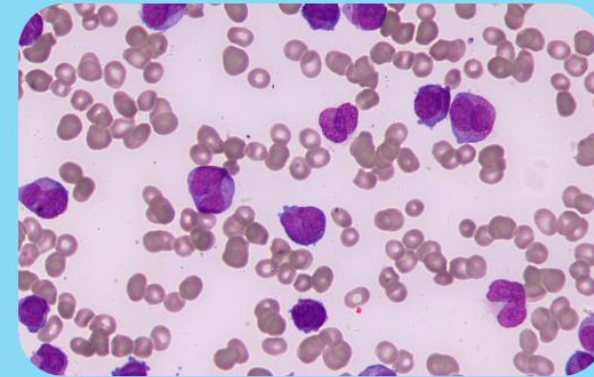
We invite you to contribute by submitting your own propositions. Thank you.

**Which of the following morphological features are present in this image?**

type: peripheral blood smear

- Alder-Reilly granules
- May-Hegglin bodies
- Chediak-Higashi granules
- Hyposegmented neutrophil
- Toxic granulation/Dohle bodies

Submit your answer



Under construction

# Download

The screenshot displays the eha mobile application interface. On the left is a dark sidebar menu with the following items: Dashboard, Information, Gallery (highlighted in purple), Diagnosis, Learning, Case Resubmission, and Contact Us. At the bottom of the sidebar, the user's name 'Malik' and a 'Logout' option are visible. The main content area is white and features a 'Back' button in the top left, a 'Download' button above a microscopic image of peripheral blood cytology, and a 'Case Submission' button with an upload icon in the top right. A pink arrow points from the 'Download' button to the text 'Download an image'. To the right of the image, the following case details are listed: Title: Acute basophilic leukemia - Cytology (peripheral blood); Description: Peripheral blood cytology from a patient with acute basophilic leukemia.; Diagnosis: Acute basophilic leukemia; Author: Stamatopoulos, Basile (Belgium); Last Updated: 2023-10-10.

Select a suitable view and download

# Submission

Thank you for your contribution to the EHA Diagnosis database. Please refer to the submission instructions for further guidance. [View Instructions](#)

Please note after submission a panel of EHA Experts will review your submission. You will receive notification if your submission is accepted.

*Thank you for your case submission. Once your case has been reviewed you will receive an email notification advising you on next steps.*

**File Upload** ▾

**File Information** ▾

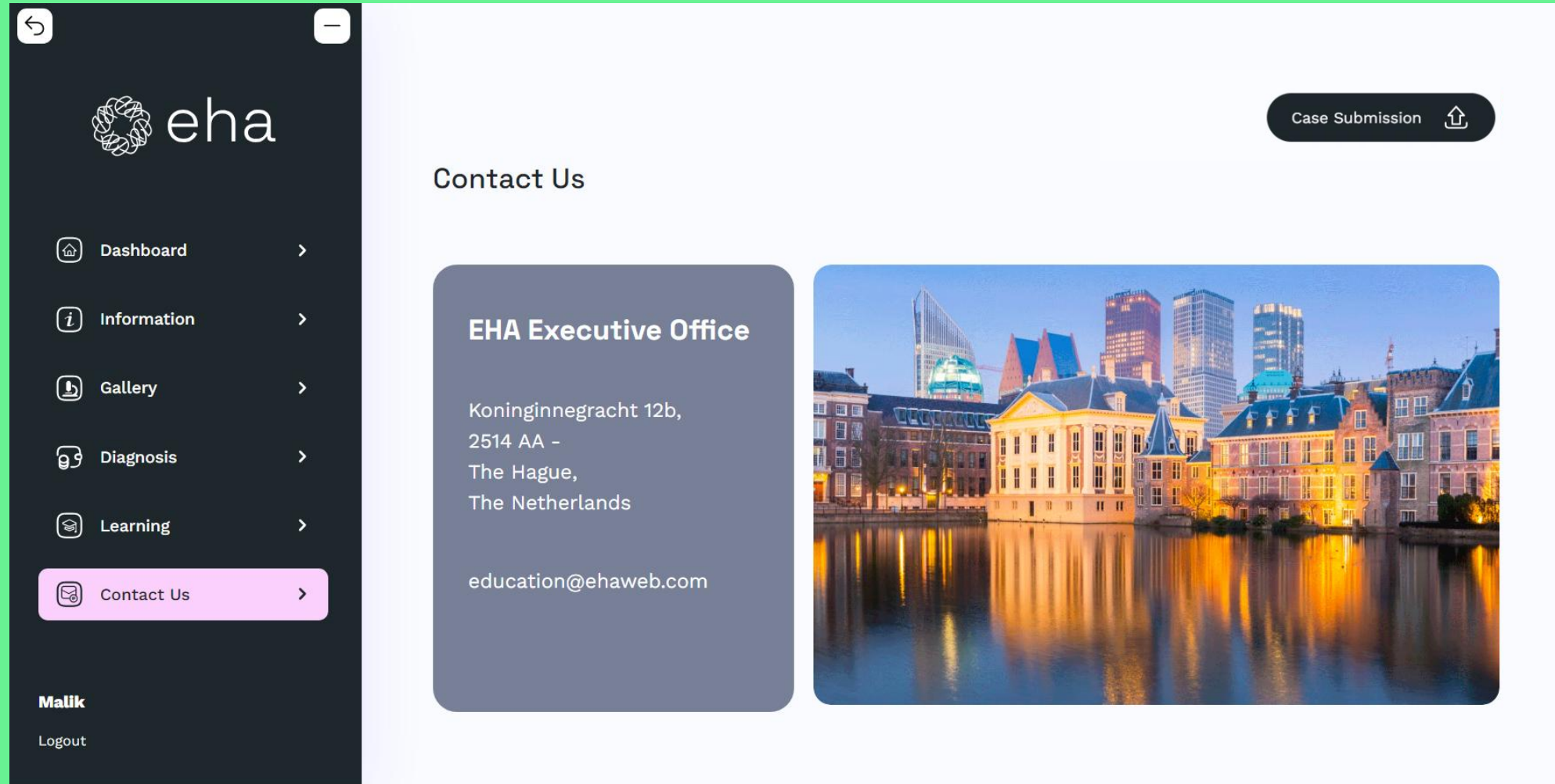
**Analysis** ▾

**Confirm & Submit** ▲

I have read and understood the [submission policy](#)

**Case Submission**

# Contact Us



The screenshot shows a mobile application interface for EHA. On the left is a dark sidebar menu with the EHA logo at the top. The menu items are: Dashboard, Information, Gallery, Diagnosis, Learning, and Contact Us (highlighted in pink). At the bottom of the sidebar, the user's name 'Malik' and a 'Logout' option are visible. The main content area is white and titled 'Contact Us'. In the top right corner of this area is a 'Case Submission' button with an upload icon. Below the title is a grey rounded rectangle containing the contact information for the EHA Executive Office: 'Koninginnegracht 12b, 2514 AA - The Hague, The Netherlands' and the email address 'education@ehaweb.com'. To the right of this text is a photograph of a large, illuminated building complex at night, reflected in a body of water.

Thank you very much for visiting EHA Diagnosis!