



EHA Diagnosis


An EHA member benefit





Dashboard





 Dashboard >

 Information >

 Gallery >

 Diagnosis >

 Learning >

 Contact Us >

Malik

Logout

EHA Diagnosis

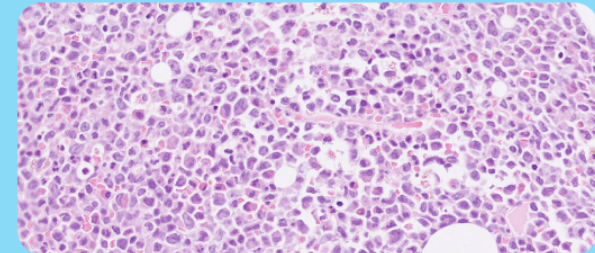
Hello,

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!

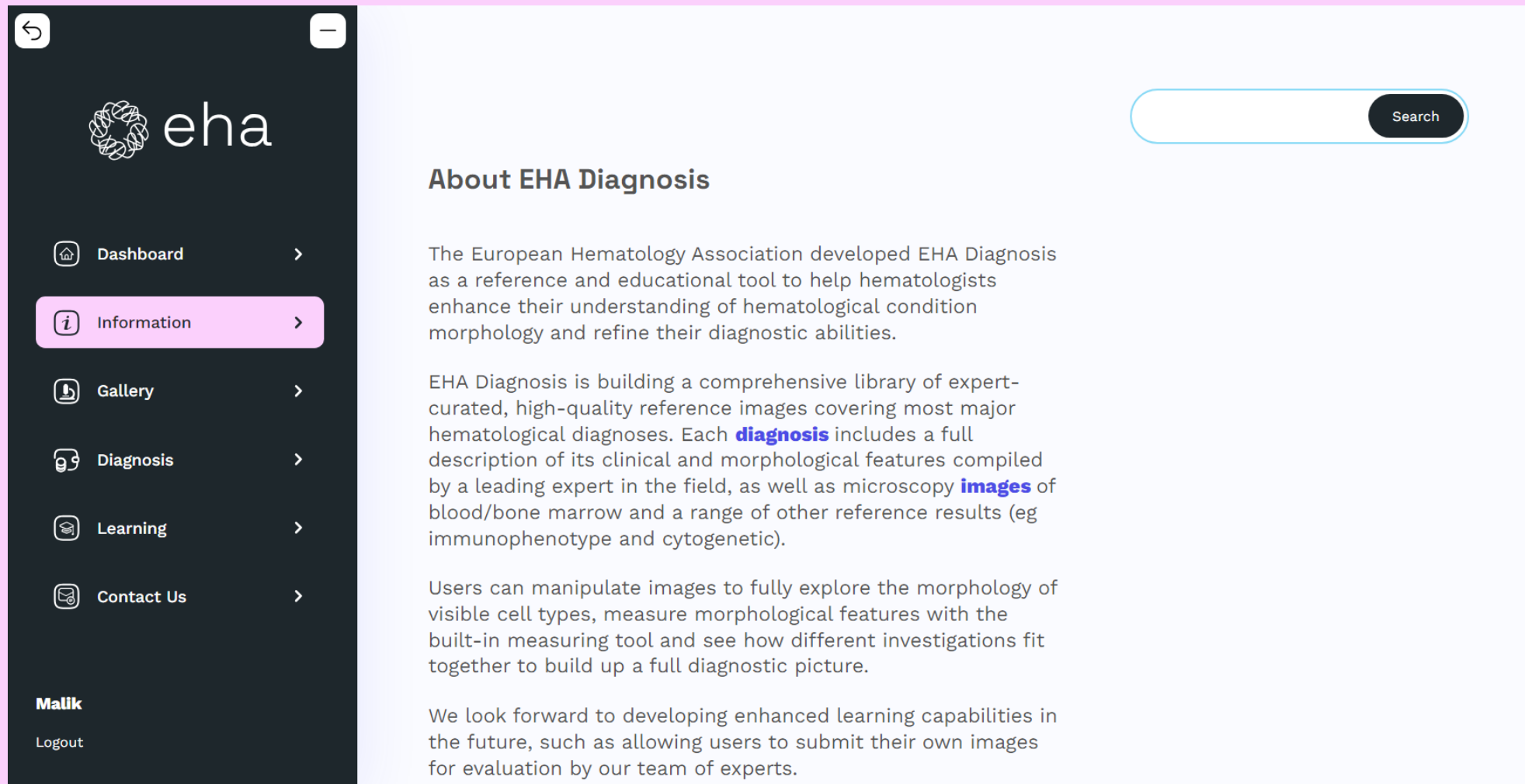
<p>We are thrilled to be launching this exciting new resource with our first collection of diagnoses and reference images, focusing on Acute Myeloid Leukemia.</p>



Featured entries...

Home page

Information



The screenshot displays the EHA Diagnosis website interface. On the left is a dark sidebar menu with a back arrow and a close button at the top. The menu items are: Dashboard, Information (highlighted in pink), Gallery, Diagnosis, Learning, and Contact Us. At the bottom of the sidebar, it shows the user name 'Malik' and a 'Logout' link. The main content area is white and features a search bar at the top right. The page title is 'About EHA Diagnosis'. The text describes the tool's purpose: to help hematologists enhance their understanding of hematological conditions and refine their diagnostic abilities. It mentions that the tool is building a library of expert-curated, high-quality reference images. Each diagnosis includes a full description of clinical and morphological features, compiled by a leading expert, along with microscopy images of blood/bone marrow and other reference results (e.g., immunophenotype and cytogenetic). The text also states that users can manipulate images to explore cell morphology and use a built-in measuring tool. Finally, it expresses a goal to develop enhanced learning capabilities in the future, such as allowing users to submit their own images for expert evaluation.

Important information about the website. TO READ!

Gallery

Gallery

- Morphology - - Diagnosis - Type here Search

[Placeholder] [Placeholder]

Pure erythroid leukemia - Cytology (bone marrow)

Image

Bone marrow cytology from a 67-year-old male with pure erythroid leukemia. The patient presented to his GP with fatigue and petechiae, and blood count revealed pancytopenia: Hb 107 g/L, platelets $13 \times 10^9/L$ and leukocytes $1.6 \times 10^9/L$.

AML with myelodysplasia-related changes - Cytology (bone marrow)

Image

Bone marrow cytology from a 47-year-old male with AML. The patient presented with a peri-anal abscess that did not heal very well. Blood count revealed pancytopenia: Hb 102 g/L, platelets $18 \times 10^9/L$ and leukocytes $0.6 \times 10^9/L$.

Bone marrow cytology reveals dysplasia in all cell

Acute basophilic leukemia - Cytology (peripheral blood)

Scan

Peripheral blood cytology from a patient with acute basophilic leukemia.

Select, Filter and Search for visual content

Gallery

The screenshot displays the 'aha' mobile application interface. On the left is a dark sidebar menu with the following items: 'Dashboard', 'Information', 'Gallery' (highlighted in pink), 'Diagnosis', 'Learning', and 'Contact Us'. At the bottom of the sidebar, the user's name 'Malik' and a 'Logout' option are visible. The main content area shows a 'Back' button at the top left. Below it is a microscopy image of peripheral blood cells. The image has several interactive overlays: a blue box with a refresh and pencil icon in the top left, a crop icon in the top right, a vertical zoom slider with two blue dots on the right side, and a small inset image in the bottom left. To the right of the image, the following metadata is displayed:

Title:
Acute basophilic leukemia - Cytology (peripheral blood)

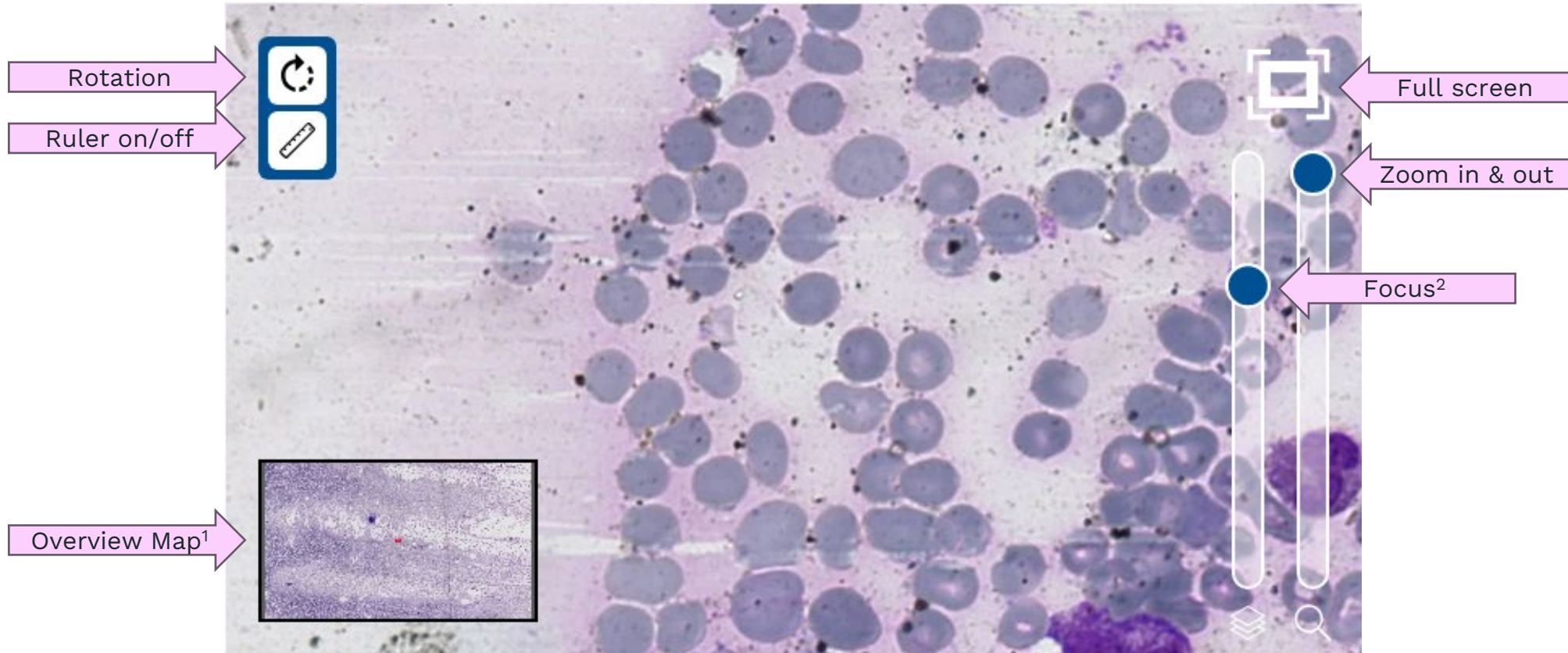
Description:
Peripheral blood cytology from a patient with acute basophilic leukemia.

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.

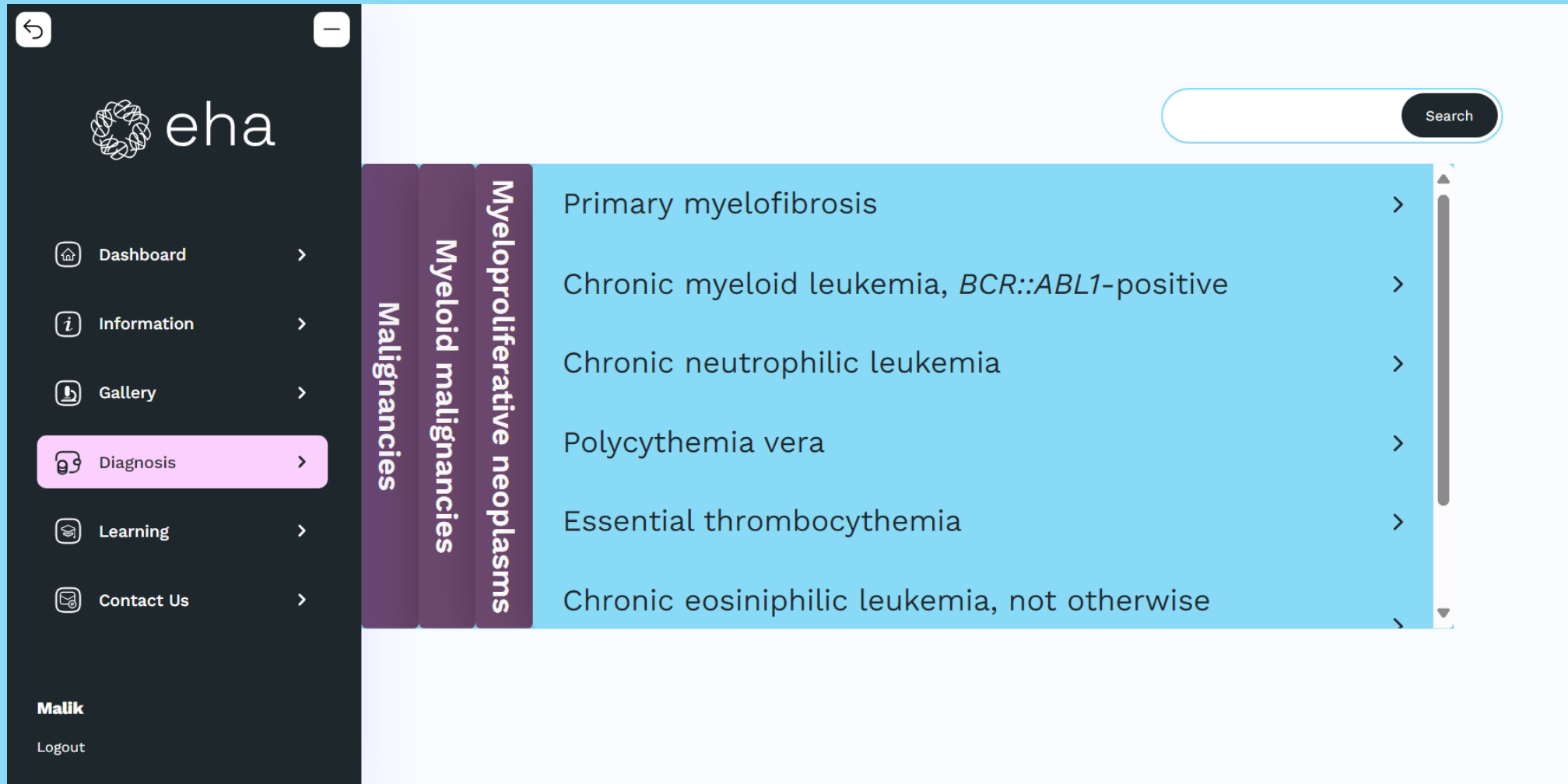
3. Save image

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

Please acknowledge the author(s).

About the digital microscope and saving a selection

Diagnosis selection



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.

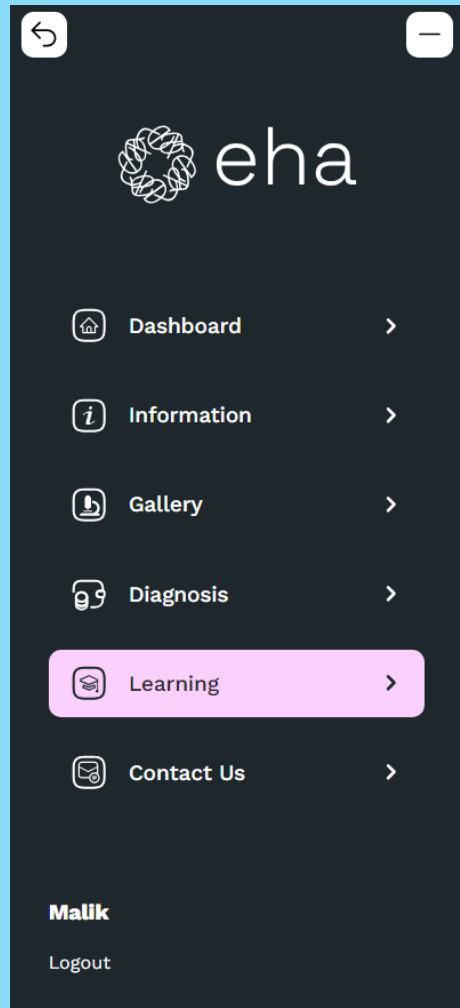
Morphology

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.

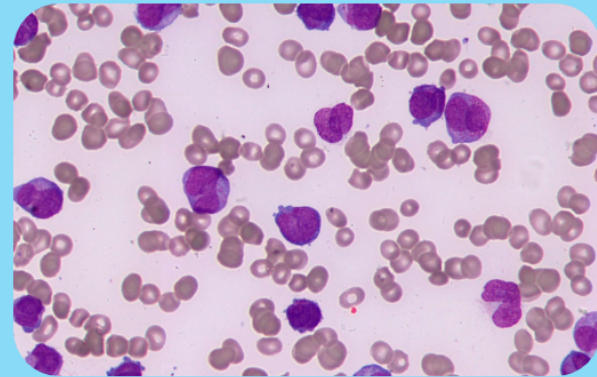
We invite you to contribute by submitting your own propositions. Thank you.

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

type: peripheral blood smear

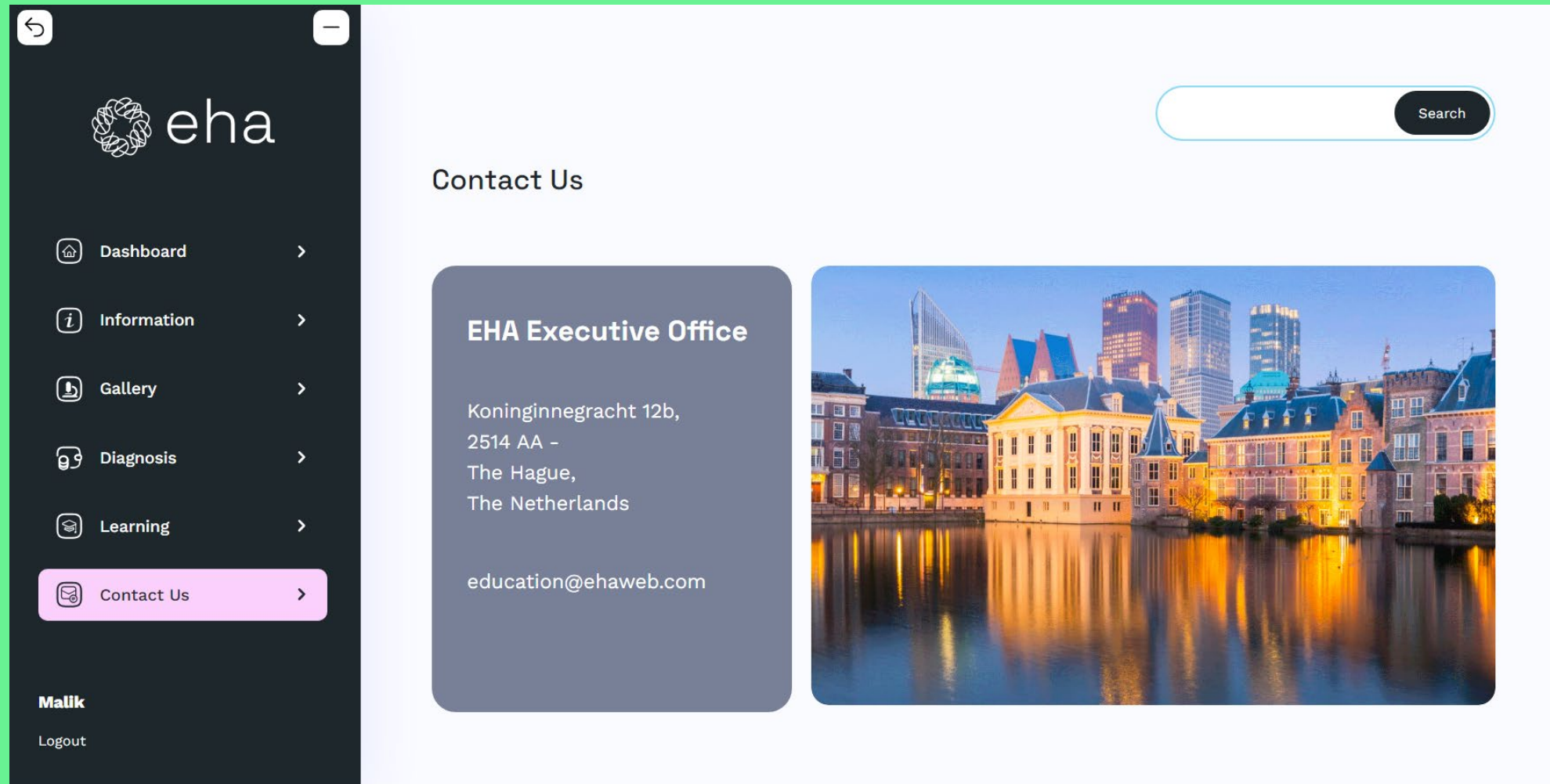
- Alder-Reilly granules
- May-Hegglin bodies
- Chediak-Higashi granules
- Hyposegmented neutrophil
- Toxic granulation/Dohle bodies

Submit your answer



Under construction

Contact Us



The screenshot shows a mobile application interface. 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' link are visible. The main content area is white and features a search bar at the top right. Below the search bar is the title 'Contact Us'. A grey rounded rectangle contains the contact information for the EHA Executive Office: 'Koninginnegracht 12b, 2514 AA - The Hague, The Netherlands' and the email 'education@ehaweb.com'. To the right of this text is a photograph of a large, illuminated building complex at night, reflected in a canal.

Thank you very much for visiting EHA Diagnosis!