

SmartZoom[®] Manual

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1. Introduction

Thank you for purchasing the SmartZoom[®] images viewing solution. An interactive network, in which experts and students can interact and exchange information about the slides. You can view slides of pathology, anatomy and hematology and add your own slides and annotations!

You need an internet connection to use this Virtual Microscope. The system runs on PCs (Win/MacOS) and on mobile devices (iPhone, iPad, Android).

2. Log In

- We enter with the link provided: "demo.smartzoom.com", followed by a sequence of specific digits. This will redirect you to the home page.
- There are 3 possible ways to log in.

2.1. Direct Login

- Click on "Start now".



- We will be automatically redirected to the home page with the different categories.

Seminary Images - Winter Semester 2020	
Here you can find all the images we used during the course with som	e annotations, which are important to face the practice exam. The study of the theory given in the practices is also highly recommended to pass the exam.
Cytology	
Hematology	
Histology	
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2.2. Login with Password

- We must enter the password provided by an admin.
- Click on "Login"



- We will be automatically redirected to the home page with the different categories.

Seminary Images - Winter Semester 2020	
Here you can find all the images we used during the course with som	ne annotations, which are important to face the practice exam. The study of the theory given in the practices is also highly recommended to pass the exam.
Cytology	
Hematology	
Histology	
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2.3. Login with Authentication

- Click on "Register".



- We fill in the spaces by creating our own password.
- Click on "Register".

Login	Register
C Dr. SmartZoor	m
Dr.SmartZoon	n@gmail.com
_⊖	
≙	
Re	gister
Forgot	Password

- Click on "Login" (upper left corner of the login window).

Login	Register
P. SmartZ.o	m
Dr.SmartZoor	n@gmail.com
≙	
≙	
Re	gister
Forgot	Password

- Fill with an e-mail and password.

Login	Register
Pr.SmartZoo	om@gmail.com
≙	
	Login
Forgo	ot Password
- Click on "Logi	n".
Login	Register
A Dr.SmartZoom@g	gmail.com
≙	
Logi	n
Forgot Pa	ssword

- We will be automatically redirected to the home page with the different categories.

Smart Zoon	SmartZoom ClassRoom Suite 4.0 Hello, dr.smartzoom		dr.smartzoom 🗸
Seminary Images - Here you can find all the imag Cytology	Winter Semester 2020 es we used during the course with some	annotations, which are important to face the practice exam. The study of the theory given in the practices is also highly recommended to pass the exam.	
Hematology			
Histology			
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3. Log Out

- To log out we must click on our alias, located in the upper right corner of the screen.

Smart Zoon	SmartZoom ClassRoom Suite 4.0 Helio, drsmartzoom	dr.smartzoom 🗸
		- -
Hematology is the branch of mer bone marrow, platelets, blood ve into the study of blood is frequer	dione concerned with the study of the cause, prognosis, treatment, and prevention of diseases related to blood. It involves treating diseases that affect the production of blood and its components, such as blood ce essels, spiever, and the mechanism of coagulation. Such diseases might include hemophila, blood clots (Thrombus), other bleeding disorders, and blood cancers such as levikemia, multiple myelloma, and lymphoma, ntly performed by a medical technologist or medical laboratory scientist.	ells, hemoglobin, blood proteins, The laboratory work that goes
Folders		
Normal Morphology		
Non-malignant	3	
Infectious Diseases	(1)	
Mastocytosis	0	
Myeloproliferative Disc	32) orders	
Myelodyspastic/Myelo	22 pproliferative Diseases	

- Click on "Logout".



4. Image Selection

- Click on the category where your image is located. In our example "Hematology".

Smart Zoon	SmartZoom ClassRoom Suite 4.0 Hello, dr.smartzoom		dr.smartzoom 🗸
Seminary Images -	• Winter Semester 2020	a annotations which are important to face the reactice even. The study of the theory niver in the practices is also highly recommended to nase the even	
Cytology		an meladona, milenaria importanti a neo are precise davint, melador y oran a con y gran mana preciser a are nginy recommende a pese are ename	
Hematology			
Histology			
Smart Zoom Technology © 2020 Smar	t in Media		Impressum

- Click on the sub-folder where the images are located. For example, "Normal Morphology".

Smart Zoon 🍞 🖁	nartZoom ClassRoom Suite 4.0 lib. dr.smartzoom	dr.smartzoom 👻
ⓐ → Hematology		
Hematology is the branch of medicine bone marrow, platelets, blood vessels, into the study of blood is frequently p	concerned with the study of the cause, prognosis, treatment, and prevention of diseases related to blood. It involves treating diseases that aff spicer, and the mechanism of coagulation. Such diseases might include hemophila, blood clots (Thrombus), other bleeding disorders, and bit rformed by a medical technologist or medical laboratory scientist.	tect the production of blood and its components, such as blood cells, hemoglobin, blood proteins, ood cancers such as leukemia, multiple myeloma, and lymphoma. The laboratory work that goes
Folders		
Normal Morphology		
Non-malignant	3	
Infectious Diseases	6	
Mastocytosis	\odot	
Myeloproliferative Disorder	3 S	
Myelodyspastic/Myeloprol	(22) ferative Diseases	

- Hematology > Normal Morphology . . ten KN lasts Blood smea human AL D. ALPin 0 0 . ⊜ ⊙ 8 0 • • • • • • • • . . POX sta .
- In the upper left corner of the menu we find a guide to know where the image is located.

- The images with a dialogue icon in the upper right corner will have comments/annotations, which can be deactivated/activated by clicking on the buttons below the image.



- Search image and click on it.

5. Working with Image



5.1. Image

- The image we are working with will be centered and we will be able to see the annotations in case they are activated

5.2. Note Filter

- Click on 🔛.
- We will be able to see and activate the annotations.



5.3. Summary

- Click on i.
- We will find basic information about the image we work with.



- 5.4. Related Images
- Click on </u> .



- We will be able to see images that are related to our image and are also stored in our database.

5.5. Zoom the Image

- If we click on the " + " icon we will increase the zoom and if we click on the " " icon we will decrease it.
- We can also use the mouse wheel.

5.6. Rotate the Image

- _
- Click on 🗘 or 🗘 to rotate the image 90 degrees to both left and right. Annotations will not be affected since both icons and texts will be coupled to the change.

5.7. My Annotations

Click on 🐥 . _



Click on "My Annotations".



Here we can work with the notes we have written before.

5.7.1. Delete an Annotation

- Click on the "trash" icon to the right of the annotation.

Lymphocyte

Subtype of a white blood cell in a vertebrate's immune system. Lymphocytes include natural killer cells (which function in cell-mediated, cytotoxic innate immunity), T cells (for cell-mediated, cytotoxic adaptive immunity), and B cells (for humoral, antibody-driven adaptative immunity). They are

- An information window will appear.
- Click on "OK".

demo.smartzoom.com says

Are you sure you want to delete this Annotation?



5.7.2. Edit an Annotation

- Click on the "pencil" icon to the right of the annotation.

Lymphocyte

Subtype of a white blood cell in a vertebrate's immune system. Lymphocytes include natural killer cells (which function in cell-mediated, cytotoxic innate immunity), T cells (for cell-mediated, cytotoxic adaptive immunity), and B cells (for humoral, antibody-driven adaptative immunity). They are

- We will be redirected to the annotation and we can edit it.

5.7.3. Add New Entry

- Click on 😤 .



- Click on "My Annotations".
- Click on "Add Annotation".



- We select the type, style and the colour of the annotation: alert, arrows, areas...
- We place the annotation in our image.
- We write a title and the content of our annotation.

Construction of the select Anno	ntation-Type
2 Select Anno 3 Select Anno 4 Select Anno 5 Select Anno <t< th=""><th>otation-Style/Color</th></t<>	otation-Style/Color
3 Place the All Click once to place the	nnotation on the image
	ation-Content
Content of Annotat	tion

- An information window will appear.
- Click on "OK".

demo.smartzoom.com says

Done! Annotation has been saved



5.8. My Notes

5.8.1. Add a New Note

- Click on 😤 .
- Click on "My Notes".
- Write down the information.
- Click on the blue "Add Note" icon.



- At the bottom of each note we see the date it was written.

Remember to compare the normal bone marrow with a pathological bone marrow.

Januar 15, 2020 Edit Delete

5.8.2. Delete a Note

- Click on "Delete", at the bottom of the page of the note.

Remember to compare the normal bone m	arrow	with
a pathological bone marrow.		
Januar 15, 2020	Edit	Delete

- A notification will appear.
- Click on "OK".

demo.smartzoom.com says

Are you sure you want to delete this note?



5.8.3. Edit a Note

- Click on "Edit", at the bottom of the page of the note to be edited.

Remember to compare the normal bone n	narrow	with
a pathological bone marrow.	- 💓	
Januar 15, 2020	Edit	Delete

- Edit the text.
- Click on "Update Note".

My Annotations	My Notes
Add Note	
Remember to compare t marrow with a pathologi	he normal bone cal bone marrow.
This will be asked in the	exam!
	Update Note

- An information window will appear.
- Click on "OK".

demo.smartzoom.com says

Note updated!



5.9. Share Image

- Click on 😪 .
- An information window will appear.
- Click on "Share whole Slide" or "Share current View".

Please select a sharing-mode: Share the slide with your current position & magnification or the whole slide.



- A link and a code will appear, which we can share with our colleagues.



5.10. Measurement Tools

- These tools can be used if the scale is previously calibrated by the uploader.

5.10.1.Distances

- Click on 🔗 .
- To measure distances, we must click on both points of the measurement, that is, click on a point A and again click on another point B.

5.10.2.Areas

- Click on 🛄 .
- To measure areas we click on each of the points that delimit our area. Double click to end the measurement.

5.11. Scale



- You need to calibrate it to use the measuring tools.
- It indicates the measurement of the structures of our slide and it adapts when we use the zoom tool.

5.12. Guide Window



- A small window that tells us in which area of our slide we are at any given time.