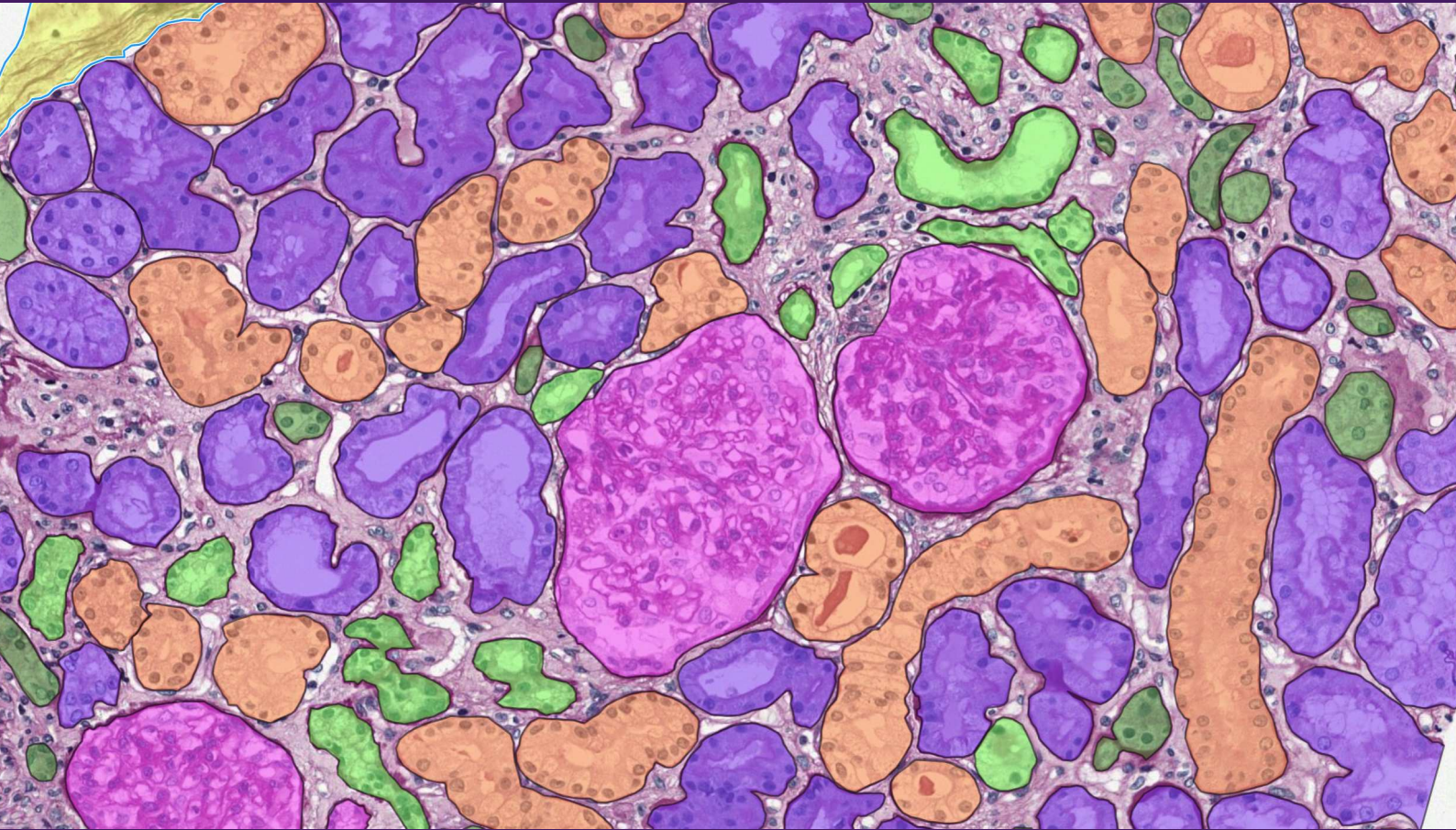


NephroPath Report

example_report

Quantitative Analysis of your pathology data



Aiosyn

Introduction [EXAMPLE REPORT]

NephroPath AI is designed to support (pre)clinical studies, delivering tools for analyzing and quantifying renal tissue structures. These tools facilitate the precise and quantitative identification of pathological changes, improving the understanding of kidney disease progression and treatment efficacy.

This specific example report focuses on glomerulosclerosis, a key indicator of chronic kidney disease characterized by the hardening or scarring of glomeruli. Through the NephroPath AI tools, the extent of sclerotic changes was quantitatively assessed across multiple experimental groups. This project illustrates the platform's capability to provide detailed insights into renal pathology. Please note that this is a demonstrative report–NephroPath can be applied to a wide range of kidney pathology studies or adapted for other organ systems as well, depending on your research needs.

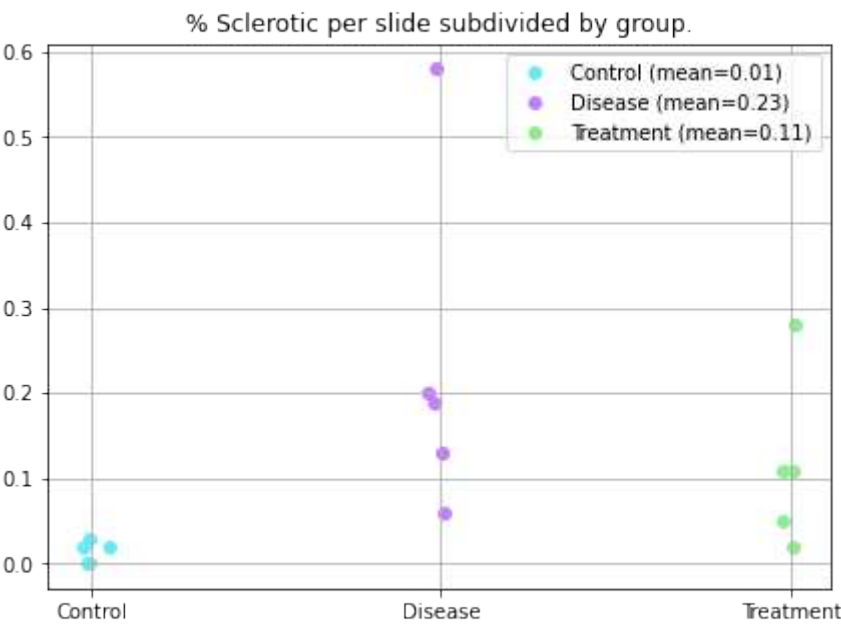
This report provides a summary of the results, both overall and per slide. We also provide access to the model outputs in the online viewer, where you can explore the detected tissue types in more detail. The results will be kept available for up to three months (or longer upon request). The raw segmentation masks are sent directly to you.

This report in PDF format serves as a reference for the results of the project. Raw quantitative output data made available for further analysis. Based on your feedback, we can further tailor outputs to your preferences.

Overall summary

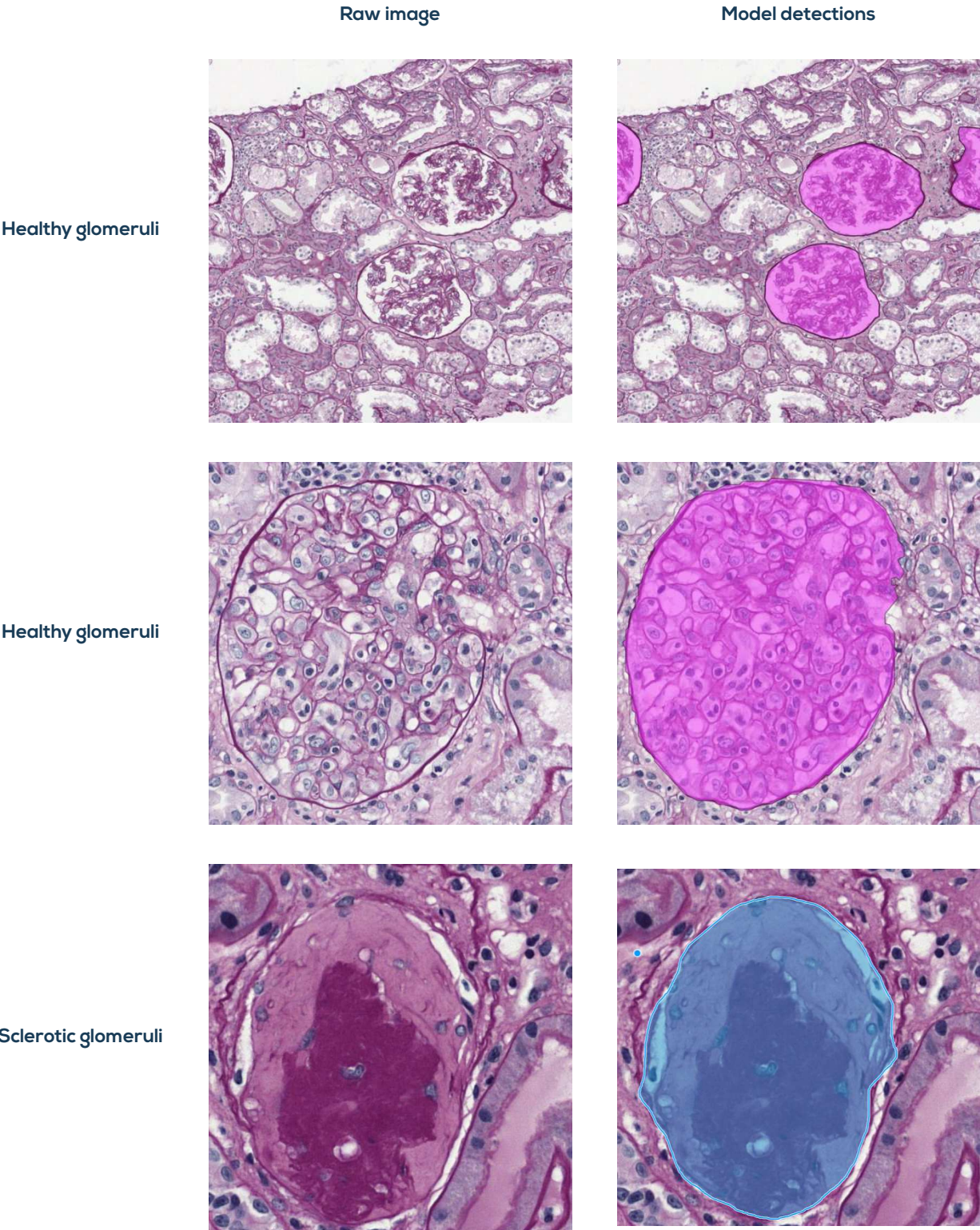
The table below reports the overall results of the study.

Group	Number of Images	Avg. number of glomeruli	Avg. number of healthy glomeruli	Avg. number of sclerotic glomeruli	Avg. percentage of sclerotic glomeruli
control	5	307	303	5	0.01
disease	5	302	235	67	0.23
treatment	5	299	264	36	0.11



Example results

In this section, we present a sample of detections per class by NephroPath in the images. The left column shows the original image, and the right column shows the output overlay of the algorithm.



Access to model outputs in the online viewer

You can access the model outputs in the online viewer by following the link below and using the provided credentials.

Link: [SAMPLE REPORT](#)

Login: NOT PROVIDED IN EXAMPLE REPORT

Password: NOT PROVIDED IN EXAMPLE REPORT

In the following section, we provide links to every image together with image-level statistics. By default, the images are sorted per group and per (main) output feature.

Image-level statistics

Cytomine ID example_report ID	Link	num_glomeruli - all classes	healthy_glomeruli	sclerotic_glomeruli	% sclerotic
704b2537-f699-4d6a-b956-6b968cf18af1 placeholder.tiff	Link	349	349	0	0.00
fb08ba6f-6878-4cd5-93e9-17e051727b3f placeholder.tiff	Link	253	253	0	0.00
018bd10d-3367-4c78-87f6-c758539fe19c placeholder.tiff	Link	300	295	5	0.02
93201ed2-0d41-40ec-8c9b-390be8bef96d placeholder.tiff	Link	259	253	6	0.02
e55dbb34-05b8-4151-a3ac-5358963dc5fc placeholder.tiff	Link	375	363	12	0.03
972e6791-c831-4489-aa4f-c88b7660f2a9 placeholder.tiff	Link	270	255	15	0.06
57dbcb02-b79b-496e-9d7f-e186074d4b5b placeholder.tiff	Link	299	259	40	0.13
e2792b0f-5143-4471-afd1-6b5ecd54f73c placeholder.tiff	Link	297	242	55	0.19
068d415a-e456-4478-95b0-3cd603f39f3c placeholder.tiff	Link	388	311	77	0.20
db731562-db22-4582-9d6d-ab7802e1020e placeholder.tiff	Link	258	108	150	0.58
f0ad453e-06b9-4189-9f9b-054a03df1504 placeholder.tiff	Link	261	256	5	0.02
cb945cf5-ada5-4cb1-a5de-23a2c2fcec4b placeholder.tiff	Link	259	247	12	0.05
c9ea560a-5efc-4011-8f37-616b447a50a1 placeholder.tiff	Link	385	341	44	0.11

Cytomine ID example_report ID	Link	num_glomeruli - all classes	healthy_glomeruli	sclerotic_glomeruli	% sclerotic
934a2ff2-a3a1-4601-b3e3-93294d8bed35 placeholder.tiff	Link	271	241	30	0.11
bc9b70b4-31a1-4abc-9c56-f72b5ef79fb8 placeholder.tiff	Link	321	231	90	0.28



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