

Effective radiation therapy plan review

Team VComparison

The problem

- Radiation treatment plan approval is a complex process with multiple steps.
- Planning team and physicist collaborate
- It requires too much time to come to choose a single final plan

The solution

Cloud-based application with fresh new looks and feels

- Minimum of visual noise
- Maximum of new features

Key features

- We would like to introduce a key features of our solution that address the main problems (in our opinion) of the current solution

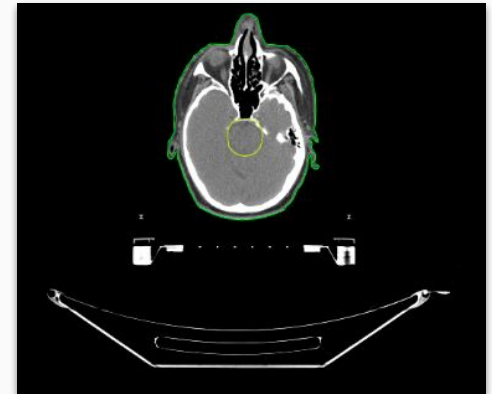
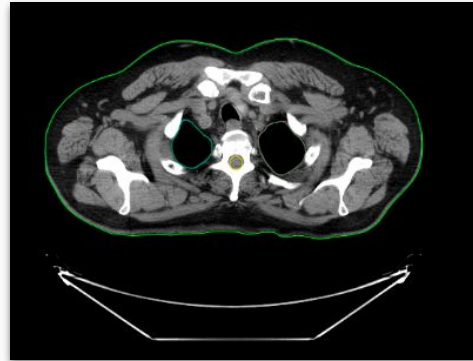
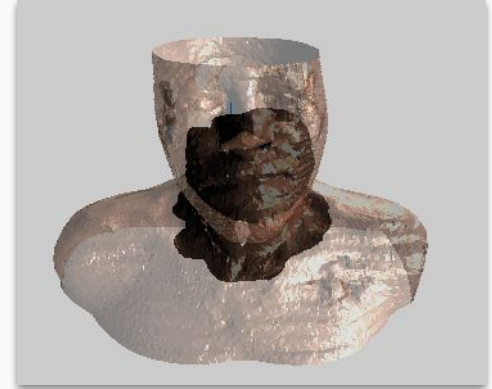
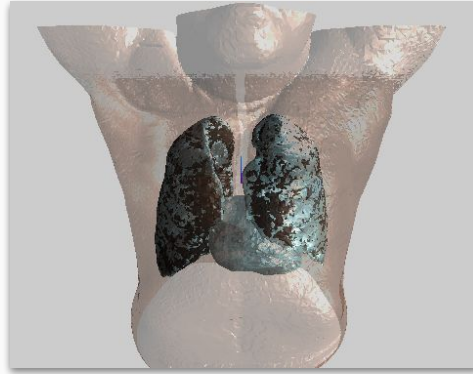
Before: 2D view

Doctor should imagine the overall picture by composing tomography images into single model in his head

Now:
**Multidimensional
view**

Take a quick look of
overall picture

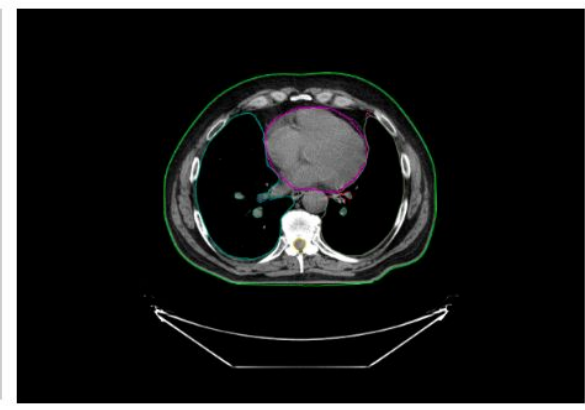
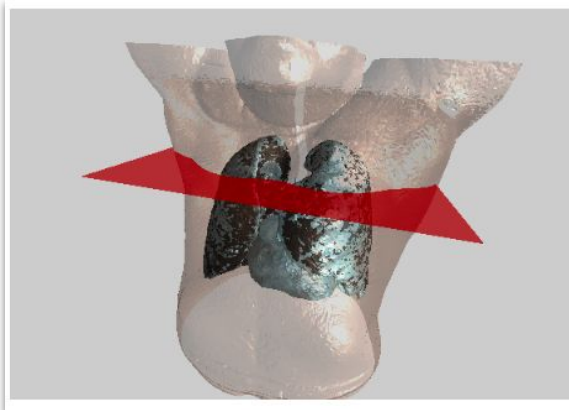
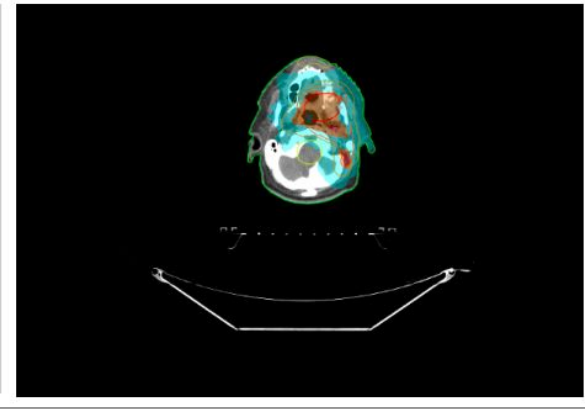
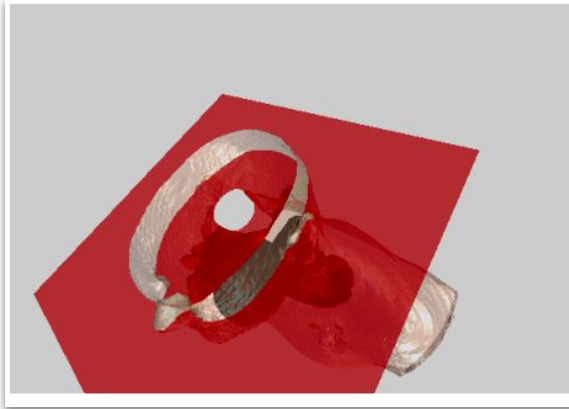
Take a deeper look with
precise tomography
scans



Now:
Event better view!

2D and 3D models
sliders are
synchronized

Don't get lost while
reviewing a plan with
simple and intuitive
controls



Before: Slow communication

People communicate over the net in a much slower way
that when talking in person

Now:
Built-in chat

Resolve issues and
misunderstandings in
just a seconds

Doctor17.11.2019 10:24:57

Can you, please, take a look at our new plan? We have fixed all the issues

Doctor17.11.2019 10:25:24

Sure, I'm already reviewing it!

Looks good to me!

☐ Attach metadata

Send

Cancel comment

Before: Key information can get “lost in translation”

It's easy to lose key information while communicating with multiple teams and ... harm a patient.

Now: Commit-like messages

Key information is
attached to any message
in a quick way

* It can be retrieved later,
so history of changes can
never get lost

Doctor 17.11.2019 10:39:07

Can we reduce the overall area of a beam here?

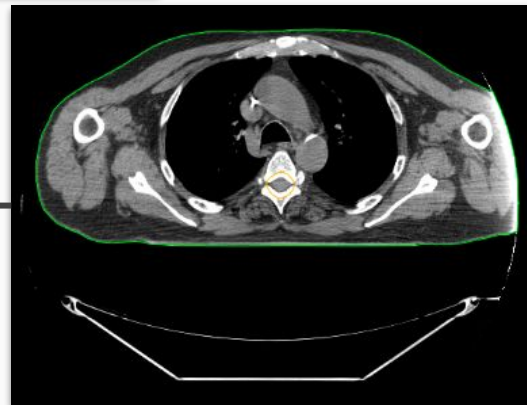
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Doctor 17.11.2019 10:39:39

And increase it on this one

Head_Neck
JSu-IM102
6

[#meta](#)



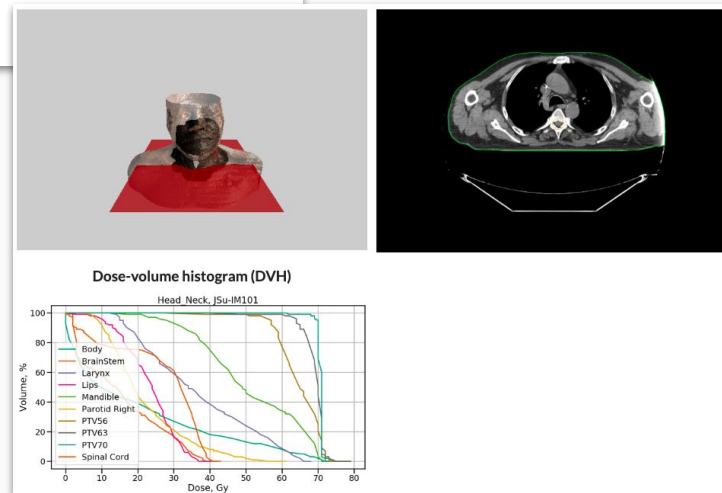
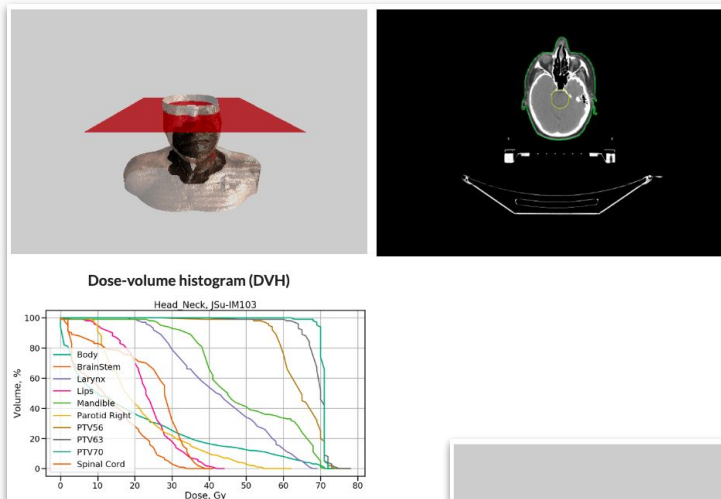
Before: Difficult process of reviewing the plan's plot

Plans are similar but not the same

Comparison requires a deeper look into process and plots and plot appearance matter

Now: Automatic plan comparison

Compare the plans and
side effects in an easy
way with new plots



Before: Complex desktop application

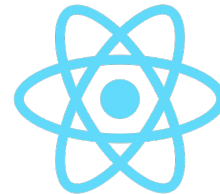
Too complex to install and to use software slows down all the process more than any other issues

Now:

Cloud-based app

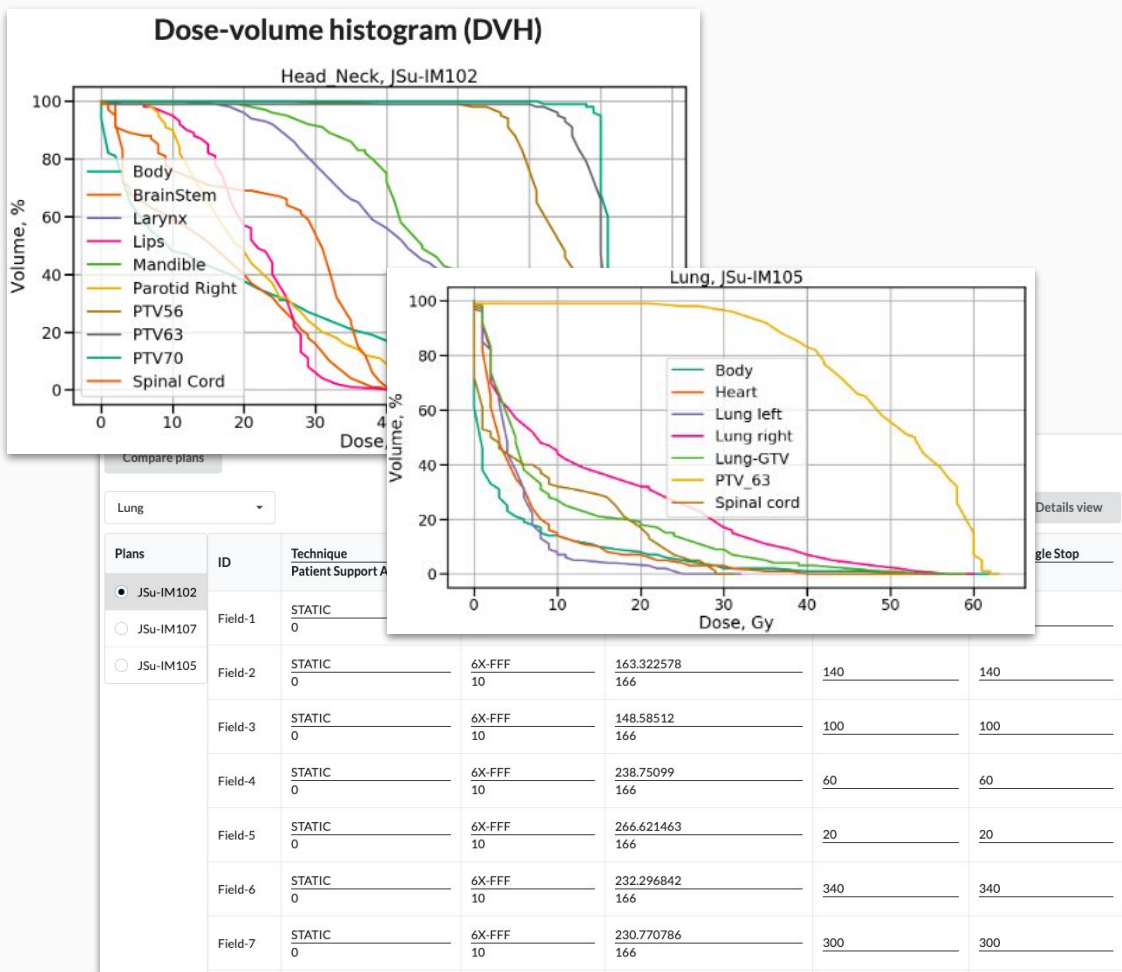
No more borders can divide physicists and doctors on their way to cure the disease!

App is built with a modern tech stack



Bonus:
All the information
you already know

Take a refreshed look
of the plots and tables
you got used to



Thank you for your
attention