Organization Configuration

The ElectronRT App allows for users with certain permissions to view and edit organization level configuration settings. The Organization Configuration block is located in the main page of the app and is only visible to users with Physics or higher level permissions.

 Patient Search Search for patients in the system. Import Patients Select DICOM patients to import. Organization Configuration Organization Settings Organization Level Settings Add or edit settings for your entire organization, including:	
 Import Patients Select DICOM patients to import. Organization Configuration Organization Settings Organization Level Settings Add or edit settings for your entire organization, including: - CT Override materials 	
Select DICOM patients to import.	
 Organization Configuration Organization Settings Organization Level Settings Add or edit settings for your entire organization, including: CT Override materials 	
Organization Settings Organization Level Settings Add or edit settings for your entire organization, including: - CT Override materials	
Organization Level Settings Add or edit settings for your entire organization, including: - CT Override materials	
Add or edit settings for your entire organization, including: - CT Override materials	
- CT Override materials	
- Lieuton Device materials	
► Import	
► Export Logs	
Site Facility Settings	
Select a Site ID to edit settings for a facility	
Site ID:	

Fig. 1: Organization Configuration UI

Organization Settings

The Organization Settings block allows the user to view and edit settings that affect the entire organization. These settings include organization name, PDF report logo, CT override materials, and electron device materials.

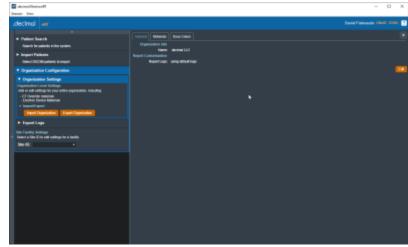


Fig. 2: Organization Settings

While editing the settings in the Organization Configuration block, the UI is changed such that the user cannot click on other sections of the UI until confirming edits with "Done" or canceling edits with "Cancel". Some settings are grouped into tabs, such as the "General" and "Materials" tabs in the Organization Settings.

	Materials	Dose Colors		
	vization Info	Duse Colors		
Organ	Name:	.decimal LLC	_	
Report Cu	stomization	ABORTION EEU		
	Report Logo:		Browse	
		recommended size: 220 x 50px		

Fig. 3: Organization Edit UI

Materials

The Materials definitions allow specifying the device materials and CT override materials. These materials will be usable across the entire organization and all sites. The materials are represented as json in the following example format:

The units for the materials are as follows:

• density: g/cm3

Device Material

```
{
    "bolus": {
        "density": 0.920,
```

```
"name": "BlueWax",
    "relative_scattering_power": 0.920,
    "relative_stopping_power": 0.920
}
```

Override Material Example

```
{
    "Water": {
        "density": 1,
        "name": "Water",
        "relative_scattering_power": 1.0,
        "relative_stopping_power": 1.0
    }
}
```

Dose Colors

The Dose Colors definitions allow users to specify the default dose colors and levels when creating new plans. These values will apply to all plans created within the organization across all sites.

General	Materials				
Current D	ose Colors				
Color	RGB		Dose %		
•	139, 0, 0	Edit	110	×	
	255, 100, 0	Edit	105	×	
•	255, 200, 0	Edit	100	×	
•	205, 255, 0	Edit	95	x	
•	102, 255, 0	Edit	90	x	
	0, 255, 0	Edit	80	×	
	0, 255, 102	Edit	60	x	
•	0, 255, 204	Edit	50	×	
	0, 204, 255	Edit	30	×	
	0, 100, 255	Edit	20	×	
•	0, 0, 255	Edit	10	×	
•	0, 0, 255	Edit	10	×	

Fig. 5: Dose Color configuration

Note: The dose color options set will only be applied to newly created plans. For existing plans select the 'reset to defaults' link within the Dose Controls right hand side user interface to revert to the site level defaults.

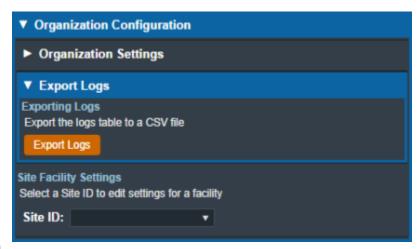
Organization Import/Export

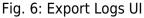
The organization import and export user interface allows users to backup, copy, or give their organization data to other individuals as needed. The following details are worth noting about this feature:

- The organization data will not be readable as plain text.
- If applicable, when importing an organization file the organization data will be upgraded to the latest version of the data model and automatic upgrades added where appropriate. Refer to the release notes for previous versions of the organization since it was last exported for the values of these upgrades.
- The application will need to be restarted after successfully importing a new organization.

Export Logs

The Export Logs block allows the user to export a file containing logs of user activity within the app. This .csv file contains data exported from the app database that keeps track of critical user activity, including (but not limited to): opening of patients and plans, plan approvals, report/DICOM exports, and hardware ordering.

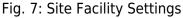




Site Facility Settings

The Site Facility Settings section of the Organization Configuration allows users to view and edit settings for each site in the organization. After selecting a Site ID, the site level settings are divided into five categories: Site Settings, DICOM Settings, CT Curves, QA Options, and Machine Settings.

▼ Organization Configuration				
► Organization Settings				
► Export Logs				
Site Facility Settings Select a Site ID to edit settings for a facility				
Site ID: 12345 (.decimal)				
► Site Settings				
► DICOM Settings				
► CT Curves				
► QA Options				
► Machine Settings				



Site Settings

The Site Settings block allows for the viewing and editing of miscellaneous site level settings including the site address, physicians, and treatment sites. When editing the site address, the UI has an option to set the address to the one assigned to the site in decimal Direct. In order to edit physicians, the user must first click on the physician name on the list of physicians on left side UI and then click on "Edit Physician" on the right side UI (this is also the case with treatment sites). Users can add or remove physicians and treatment sites using the left side UI.

Second Factored	- D X
Institute View	
dectrical an	Allenia langue filona (BBR) (EDR) 😝 📳
Organization Configuration	Sin Tellings
Organization Settings	Textile links
+ Exportinge	Bigeng Literes
Die Facility Delays Diese scher III in mit weitege in staniky Sitz: 1216 (decima) =	* (pagastanatina) Progetican una
* Six Sellings	O Jam
Marcines All of oncer physics 2 American 3 State X	Performant Ban Second Bank Marchand Marchan
Name and a second secon	
+ DCDB belogs	
• CE Garage	
+ CR Cyllon	
+ Martine Letings.	

Fig. 8: Site Settings UI

DICOM Settings

The DICOM Settings block allows the user to view and edit settings related to the export & import of DICOM files. These settings include the default DICOM export directory, a list of DICOM export server AE titles, and the monitoring directory for DICOM Receiver imports.

These settings are applied and available to all users of the selected Site ID for which the settings are present.

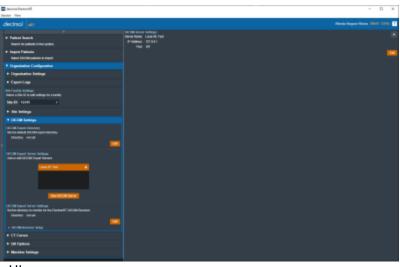


Fig. 10: DICOM Settings UI

DICOM Export Directory				
Export Directory	Sets the default export folder when exporting DICOM files to disk.			
DICOM Export Server Settings				
	A list of DICOM AE titles (DICOM Receivers from another system) that the ElectronRT app can export to.			
Export Export Servers	Server Name:	The name of the DICOM server that will displayed to the user when exporting within the eRT app.		
	IP Address:	The local network IP address to which DICOM files will be sent by the eRT DICOM sender.		
	Port:	The local network port on which the DICOM sender should transmit the DICOM files.		
DICOM Import Server Settings				
DICOM Import	Sets the monitoring directory for importing patients received from the			
Monitoring Directory	ElectronRT DI	ElectronRT DICOM Receiver.		

CT Curves

The CT Curves block allows for the viewing and editing of CT conversion curves. These curves must contain data for both relative stopping and scattering power. The relative stopping power data for the selected curve is displayed on a graph on the right side UI. When adding a new CT conversion curve, the user can select and import a CSV file that fully defines the curve values. If there are no curves present, the user is able to obtain a sample CT curve file to have an example of the CSV formatting and values. Additionally, each CT conversion curve in the site can be exported as a CSV file.

🔤 desired Restored			- I ×
billion Van			
.dectrici 🔐			
Palen Gant Sant S	0110000000000 0003000000000000000000000	C? Cores Couple	
Next Scillipation report.	10.0000		
* Organization Lotings	No. 10, 100, 100, No. 10, 100, 100, No. 10, 100, 100,		
• Exercise			
Site Facility Services Description Of A with selfings to a stocky	mile 4 mpr 1.00 mile 1.00 1.00		
Nei 100 (delet) +	Surfaces From	/	
• Six Setiops			
+ DOM Sellings		· · · · · /	
* CT Carras			
Citizens Set and this law			
Sectors.		- 1999 - 1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997	
Experimental Converte C1 Impa Review and Level Review	C) image Western and Lond Front Server Solution When S Silver		
			Contrast.
See 12 map front			
+ GA Dynama			
Machine Settings			

Fig. 11: CT Curves UI

The CT Curves are defined as json as shown in the below example (note: this data is provided as a user guide reference only and should not be used in a commissioned treatment planning system; as such, it does not contain full values of CT curve data):

CT Curve Example

```
{
   "scattering_power_curve": [
      {
         "key": -1000.0,
         "value": 0.0010
      },
      {
         "key": -706.0,
         "value": 0.2920
      },
   ],
   "stopping_power_curve": [
      {
         "key": -10000.0,
         "value": 0.0010
      },
      {
         "key": -1000.0,
         "value": 0.0010
      },
```

QA Options

The QA Options block allows the user to view and edit settings related to Dose QA. The UI allows the import of a CT image set that defines a custom water phantom. The user must define a surface entry point and select a CT curve when importing a custom phantom. Settings used for the default water phantom include the dimensions of the phantom, dose grid spacing, and the default measurement plane depth.

tor Vers				0
ectnal as			Albeits Nagers Firms (1960) 123	- 0
Falset Such Net System Strategy (Call Options Contain GA Plantes Contain Descript (1) Imper Imported			
E Inspiret Parliantia Transit DECOMUNITIES I Report.	Caller Selon Dily Feet Caller Selo QA CT Care Selon Reset Parton			
Organization Configuration Organization Settings	Detactive States			
• Experilinge	Wite Pharten Str. Y Title Pharten Str. 3			
New Constant and Section Secti				. '
• Six Series				
+ CT Cares				
 CAN Copilizione Calif Her Cub Copilizione for the numericality 				
+ Maliler brillings				

Fig. 13: QA Options UI

Machine Settings

The Machine Settings block allows the user to view and edit machines for the selected site. The machine settings are divided into five tabs: General, Geometry, Applicators, Commissioning, and Advanced.

General Machine Settings

The General tab of the Machine Settings block allows for the viewing and/or editing of general machine information such as the machine name, description, serial, type, and physical SAD.

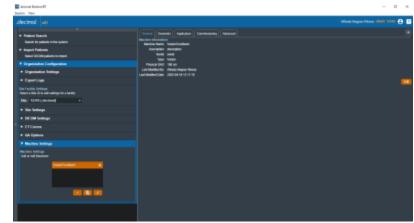


Fig. 14: General Machine Settings UI

Machine Geometry Settings

The Geometry tab of the Machine Settings block allows the user to view and edit Machine (Equipment) coordinate system settings. These settings include the reference gantry angle, reference couch angle, reference collimator angle, and the rotation direction of each axis, relative to IEC 61217 coordinate system.

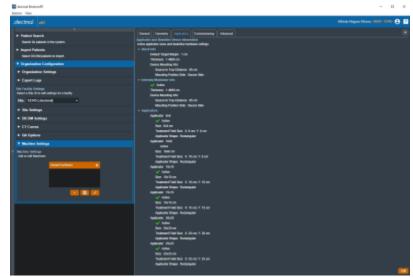
anima Instanti Sector Ver		- B X
.dectred an		Allinda Harper Khara (1940) 1240 🔒 🔲
Polient Search Search to palent John span Jegent Relateds March Statistics	Deneral Sources Australia Commences Automat The Inter Dentities Marketon Sources Sampling Sources S	
F Dynamical Configuration Organization Configuration	Decil Relater: County Chulteria Calevale: Relater: County Chulteria Calevale: Relater: County Chulteria	
Coperation Series Equations		•
Des Facilies Deslays Aducts a Das Die auforgenera backly Mar: 10:00 calculated		
+ In Integ		
ECIM Settings ECISeres		
• GA Options		
 Machine Softega 		



Applicator Settings

The Applicators tab of the Machine Settings blocks allows for the viewing and/or editing of applicator and beamline device settings. Information regarding blocks, intensity modulators, and applicators of varying sizes are displayed and the user can choose which applicators are available when creating a treatment plan using the current machine. The available applicators are dependent on type of machine (Siemens, Varian, or Elekta) chosen during the creation of a new machine.

While users are able to change the default target margin of the block, it should be noted that users are unable to change manufacturer specific settings (such as physical block size) as these have been preconfigured and validated by .decimal. 10/11





Commissioning Data Settings

The Commissioning tab of the Machine Settings block allows the user to view and edit commissioning data by energy. The user can view the nominal energy and R90 values of the current commissioning data or import new commissioning data from a local file. The ElectronRT App currently only has support for commissioning data import from the Pinnacle treatment planning system.

The Commissioning tab also allows the user to import MU dose conversion data tables and display them in the UI. Each MU data file must contain the Output Factor and Air Gap Factor value tables for a given beam energy. The user is able to obtain a sample MU conversion table file to have an example of the CSV formatting and values.

inina lininal ini		- D X
ectrad an		Alberte Magner Pierre State 1240 🔒 日
 Pailest Saash Saash to palash in the system 	Consult Gaussian Regulation Consuming Calendar	
• Import Palantis Salari Uli Mijalaris in Import	Numerica (Sange 1988) 1987 - San Color Numerica (Sange 1988) 1987 - San Color	
F Bryanization Configuration	New Ing. UNF	
 Organization Ratiogs. 	RE 4DEG	
Covertoes	Revisationgs filter	
in Facility Unlines	Santual Inargo 30 Mor Millo Scillum	
No. 1000 admit	Imported BC conversion late 1. Naminal Energy 1 Mark	
	+ Norise Design 1 Max	
+ Die Lellege	Calcular Disc. (1711 SpM)	
 DOM Settings 	CADATING THE ARRANGE THE LOS	
+ CTCarren	FeetBol and ele Tarto Tarto Joch	
 GA Continue 	53 4 85 4 87 1 887 4 84	
• Macline Sellings	64 0.001305 109 100 100 16/0 0.001300 100 100	
	1010 100 100 100 100	
Nachana Salinga Inii a mil Kasiron	2620 120112011201120	
	2626 1001100 1001100	
Vessionites a	ALC TALK TALKS 1000 CAN	
	FREE DAY IN THE THE THE THE	
	33 100 100 100 100	
	64 1 X01 E M1 E ME E D0 E D0	
	10-0 1.00 0.00 0.00 0.00 9-0 1.00 0.00 0.00 0.00	
	10/10 1001000 0001000 20/20 1001000000	
	2626 4 804 6 804 6 804 6 805	
	 Normal Energy 12 Bolt 	
	Revined Energy 10 Ber Notest Notest	
	+ Laport herger #Conversion fade The	
	Texted Texters	



Advanced Settings

The Advanced tab of the Machine Settings block allows for the view and editing of advanced machine

configuration parameters. These settings include tolerance tables, wedge tray information, blocking tray information, and room imaging parameters. These values are typically not used within the treatment planning process, but are included in DICOM Plan export to meet end user DICOM RT Plan requirements.

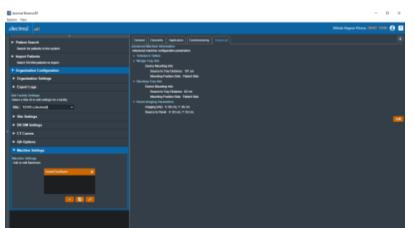


Fig. 18: Advanced Machine Settings UI

