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.

	▼
Patier	nt Search
Seard	h for patients in the system.
► Impor	t Patients
Select	DICOM patients to import.
▼ Organ	ization Configuration
▼ Orga	nization Settings
Organiza	tion Level Settings
Add or ea	fit settings for your entire organization, including:
	erride materials on Device Materials
Import	t
► Expo	rt Logs
Site Facili	ty Settings
Select a S	ite 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.

1/9

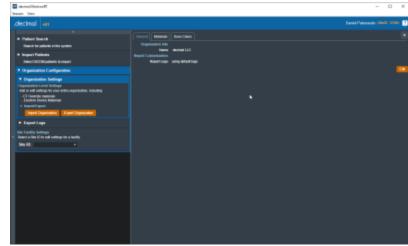


Fig. 2: Organization Settings

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.

General	Materials	Dose Colors		
Organiza		Dabe Callurs		
Cryaniza	Name	.decimal LLC	_	
Report Custor			_	
Rep	port 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. The materials are represented as json in the following example format:

Device Material

```
{
    "bolus": {
        "density": 0.920,
        "name": "BlueWax",
        "relative_scattering_power": 0.920,
        "relative_stopping_power": 0.920
}
```

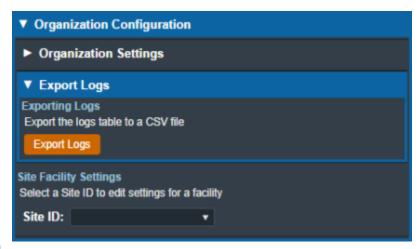
}

Override Material Example

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

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.

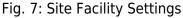


```
Fig. 6: Export Logs UI
```

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.

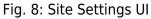
▼ Organization Configuration				
Organization Settings				
► Export Logs				
Site Facility Settings Select a Site ID to edit settings for a facility				
Site ID: 12345 (.decimal) 🔹				
► Site Settings				
► DICOM Settings				
► CT Curves				
► QA Options				
► Machine Settings				
 CT Curves QA Options 				



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. 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.

Anima Exercise	- 0 X
decinal as	Alimia Naguer Dires 1980 1998 😝 🚺
Organization Configuration	Site Settings .
Organization Settings	Testing lands Bendo COM
+ Exportings	
Der Fanding Serlingen Detent al. Der Ein werd werkenperter allembig Sinzer 1934 Spänchenung -	r organisation
* Shi belleyi	0 Jam
Paralana Adi e anan pulatana Panana Panana	Tradework Mac Tradework Mac Town House House Town House Address Machine Town House Address Machine Town House Address Machine Town House Town H
Region and the second s	
+ DCD# Millings	
+ Cl Gross	
 CR Dybes 	
 Machine Entitions 	



DICOM Settings

The DICOM Settings block allows the user to view and edit settings related to the export of DICOM files. These settings include the default DICOM export directory and a list of DICOM server AE titles.

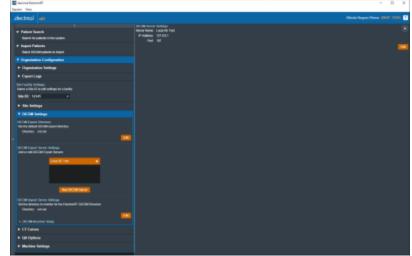


Fig. 10: DICOM Settings UI

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.

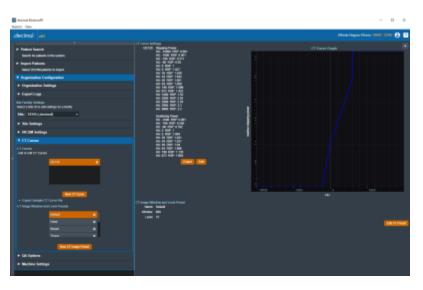


Fig. 11: CT Curves UI

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
```

```
"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. These settings include the dimensions of the water phantom, dose grid spacing, and the default measurement plane depth.

Second Extra Electroniti			- 0	Ж.
Denitor Ven				
decinal an				Θ Π
Import Fallows Import Fallows Import	GA Options Castan GA Plantan Date: San Qir (1 Haan spoth Cater Sate: Sate Part Date: San Qir (1 Case Date: San Qir (1 Case)	618an 0819		
 Organization Configuration 	Disarchet Specing Collect Measurement Price Coupling			
Organization Settings	Webs Therbeil 2017.			
+ Experilage	Webs Phantan Start Vide Phantan Start			
Nacional Statement Nacional State Statement and statement Nacional Statement				
· Six Settings				
+ DCD# bellege				
+ CT Cares				
OR Options Ont Options Ont Tes Context Inter				
 Multier Lettings 				

Fig. 13: QA Options UI

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.

anima Robert State		- п к
.dectmal an		Alberte Vingene Planta (1994) 🔂 👩
 Palent Sanch Santh la palent in the spines 	Description (Ashides) Commonwy (Advect)	
 Import Palania Salari Scilliki julianis to import 	formation from and formation	
¥ Organization Configuration	Photod DVC. 19 of	
 Dynamic brings 	Latifieldeller Abel-Inger Reis LatifieldelDer 2004/11/11/10	
• Expertisge		—
The final field of the set of the		
Sile: 1040-packed +		
 The belogs 		
 DOM Settings 		
+ ETCarres		
+ GA Egelena		
* Muchana Salanga		
Machine Indiana Tal a rail Values		

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.

ictrial an		Allinda Nagara Alama (1961) 1240 🔒
Palani Sawik Aardi to palani kitis spian Janguri Palanis	Denne Connect Automatica Communication Advanced State Section Repairs Managements Samp Section Repairs Section 2010 Samp	
Kalut DOR palets to open Granitation Configuration	Cault Multion Duality Chulteren Caleman Multingen Billing	
Organization Interings	Calenator Northge, Irong Calenator Rotation, Counter Chullman	
Equation		
te Facility Sellings det a time fit is addressings for a healthy		
an traceation .		
• No belogs		
ECOM Services		
ETGame		
• Edi Epilona		
Textiles Selected Se and Loose Selected Selected Selected Selected Selected Selected Selected Selected Selected Selected Selected		

Fig. 15: Machine Geometry Settings UI

decimal App Documentation - http://apps.dotdecimal.com/

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.

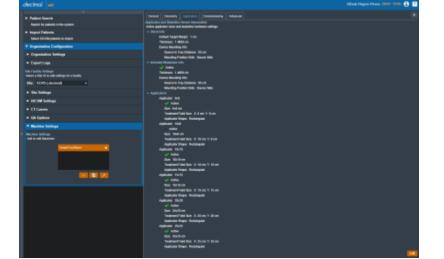


Fig. 16: Applicator Settings UI

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.

Analysis Restored		- 0
ketmal an		Allinia Hayan Plana (200) 1240 🔒
	Dever Genetic Australian Community (Manual)	
Fadent Gaunk Sauth la palaris influenzation		
	Keineling (M)	
* Import Pallonis	Mill 1627 (S Normal Storg: 1 Mill	
Select DCIN/palantum impet.	88 2853	
F Bryanination Configuration	Normal Darge, URAY	
Crystiatics Letings	RE 4DBut	
- formation	Burind Long. 12847	
• Equation	kristing Jikr	
iter Faculting Cardinage. Select a time för ta undrivadrings för a facility		
Mill 1090 calender -	Imported BC convention late 1. Naminal Energy: 6 MeV	
* Die Leilege	Collection Dear, 4111 SpAR0	
 DCDM Settings 	CADATING THE	
+ CTCarres	Agelow Sto Ltd. Free Sto Ltd. 10/0 10/1 20/2 20/2	
	53 CR0 CR1 BR 107 184	
 GA Epitone 	64 680180 100 100	
 Machine Settings 	1940 1961 1961 1962 1963 1964	
No. Not Notinge	16/10 1301 1001 1000 1020 1020	
ini a mit Linites	2620 180118011801180	
	2625 1801180110011801180	
Veierfunken a	AL DIS 1909 1909	
	100 UH FeelBacket 10 19 10 10 10	
	53 130 000 000 000 000 60 130 001 000 000	
	10-10 LINE CHU CHU CHU CHU	
	Terli 1801 6 HO 6 MI 6 SID 6 SID	
	2620 100110011001000	
	2626 1 801 6 801 6 805 6 800	
	a Hannad Canger Critical A Hannad Canger 10 Mart	
	Bound (seg) II Br	
	Court hereit MC Conversion Table Tile	
	Destad Services	

Fig. 17: Commissioning Data Settings UI

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.

t Nav		
ctrad an		Mitrode Margane Piterra (1986) 12346 🤮
Padent Gaarch Naart to palent John system Ingent Palents	Owner Owner hadaan Ownersame Maanaa Adamaa Balaan Haraka paraka Adamaa hada	
Select DICIN/pallerio to import	 Manage Trage 1000 Davids Macaling 1000 	
Beganization Configuration	District's Tay Collarion. 191 pr Macellag Paraller: Date: Faller: Date:	
Departure Letings		
Expertise	Dester Mauring His Bases in Tay Onlinear Kiron	
n f machine Greinnen. Nach a thinn (if in anti-anticiparies a facility	Mauring Paulier Sale: Nater Sale 1 Jonn Imaging Teamaters	
6: 100 (Admit -	INFUSIO COLOR TO D	
The Lotings	5435598 X 10-0, 7 10-0	
DCDM Settings		•
CTCarrow.		
GA Epitone		
Machine Intillings		
a na dialana a na dialana Mandaninana a a a a a a a a a a a a a a a a a a		

Fig. 18: Advanced Machine Settings UI

