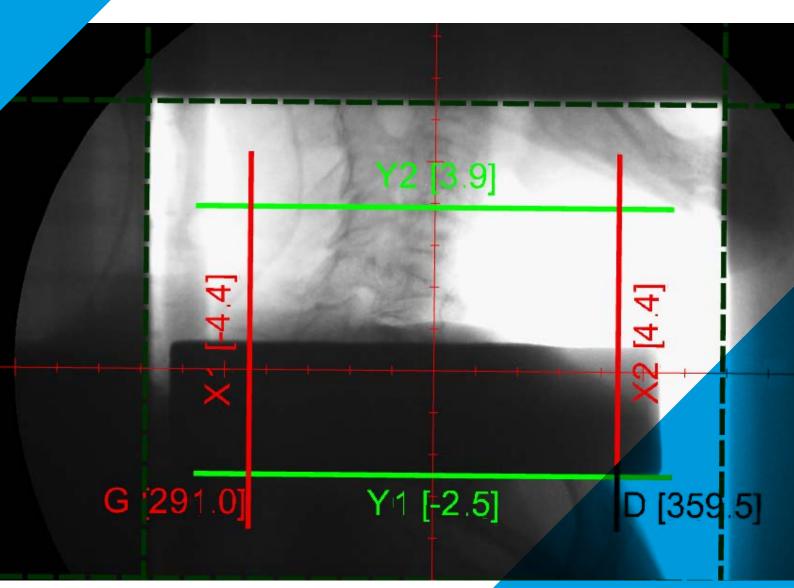
TERAGIS

RECORD AND VERIFY SYSTEM







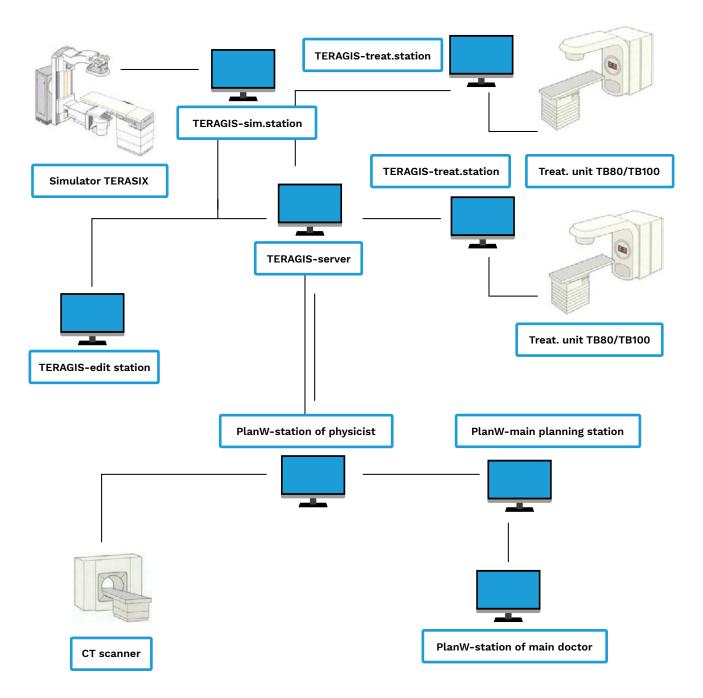
TERAGIS is the database system.

TERAGIS allows to acquire, store and use the patient's treatment data. It can be the basic information system on radioterapy department.

TERAGIS verifies the treatment parameters.

TERAGIS allows network conections between treatment units TB80/TB100, TERASIX simulators, many CT scanners and PlanW treatment planning system.

Example of network architecture



TERAGIS consists of several modules. **Edit module** is used for enter and edit patient's data. Main structure is the treatment series.



200 TERAGIS - Record & Verify System em Edt Treatment Caindar Configuration Print Inne Konuna, Int Import Wigard Bithdate 17.07.1949 25.01.2 Apr: 61 Debuty C 01/26.01 C 02/23.01 C 03/28.01 C 03/28.01 C 04/31.01 C 05/01.02 C 06/02.02 C 05/02.02 C 05/02.02 558: 490717/153 Address: Lidicka 14, Brno 156 11 rester Plan1 total Date: 22.11/60 Gy reactions: 11/30 ON_TREATMENT 25.01.2011/ph Fast: 1 Order: 1 Type: SAD Last Treated: 10.02.2011 01/25.0 Fraties 11 Basic rhoto Parameter ned Actual Unit 0 0 2 2 ¥ Shi ¥ We +270.0 +270.0 deg -4.0 -4.0 deg +4.1 +4.1 deg -5.0 -5.0 deg +5.1 +5.1 cm NO NO 222222 +75.0 +10.0 org +0.0 +155.8 dog +0.0 -0.5 cm +0.0 +76.2 cm -16.2 -16.2 cm NO NO +95.5 cm +14.7 +16.7 36 Kraleva, Jana Permaken: Physicial Arskin: 1.1-14 Host Name: typ-che

Treatment series consists of treatment fields. They can be loaded from **PlanW** planning system automatically.

Whole treatment history is archieved with all details and user defined protocol can be printed in any time.

igstein	Edg Trestonegt	Calentar	Configuration			
50			14.02.2011 - 19.02.2011		🗆 Day view 🔿 Week view 🛎 W	orking weak view 18100 +
	14.02.2011 Mar		15.03.3011 Tue	16.02.2011 Wed	17.03.2011 Tim	18.02.3011 fri
08.00						
09:10						
09:29			Kralikova, Ludmila platij- panov	Kralikova, Ludenila plan I - panov	Kralikova, Ludmila pisti-panev	Kralikova, Ludesila plani - posev
09.35						
09:40						
959			Vondra, Petr plan2	Vondra, Petr plan2	Vendra, Petr pim2	
10:00						
10:10						
10.20	Doverskova, Helena Plat2		Duorakous, Helena Met2	Dverskova, Helena Kent	Duorakova, Helana Mati	Deverationa, Halana Ranz
12:30			Koruna, josef /timi	Koruma, josef Manj	Koruma, josef Man]	Koruna, janef Pietz
10:43			Langerova, Alzbeta	Langerova, Alzbeta	Langerova, Alzbeta	Langerova, Alzbeta III + ploty
10.50			Langeroux, Alzbeta		Blatny, Bedrich plan3 - a bioky (Ocatorian)	1
11:00	Blatny, Bedrich plan? -s Miky (Craft	ndra)	Blatny, Bedrich plan3 - s bioky (Overswind)	Matny, Bedrich plan2 - s Midy (Coalmand		Blatny, Bedrich plan3 - s Maky (Cealowing
11:19	Doleja, jan Plan3 - novy /s.nova	method and	Delega, jan Plan 2 - novy (a novou maskou) samuli	Deleja, jan Pari - novy (r.neve), meskaut stra	Dalegs, jan (fan) - eeuy (s novou maskout serual	Dolejs, jan PlanJ - novy (s novov maskoul simol
11.25						
11.50			Blatery, Bedrich plant - a bloky (Dearbooke)			
11:40			Dara a serie da analia			
11.50						
12:00						

Treatment module is used for the treatment verification and to save the treatment parameters .

Report 🔄 Print File 🎇 Close Patient Protocol UJP Praha, a.s. Patient Namer Blatny Bedrich 450602/052 Total Dose: 48 Gy Fractions: 24 Bearts: 4 13.01.11 10:22 plan3 - s bloky (Dzałováni) 1.3.12.2.1107.5.1.4.57646.1 Series Traines ID 8L X1 [mm] X2 [mm] ¥1 (mm) Y2 Immi Col ['] CVer (mm) CLat (mm) Cion (mm) Wed -4.3 -4.4 -8.4 -8.8 5.4 4.4 9.4 9.2 -25 -25 -25 -25 0.0 0.0 180.0 180.0 4.3 3.9 9.8 9.5 0.0 -14.8 -14.8 -14.8 0.0 0.0 0.0 0.0 DATION 4 4 4 3 lative Weight [%] Gantry start Gantry step [*] Treat.time [s] 61.0 291.0 0.0 180.0 1.36 1.36 77.57 20.06 SAD SAD SAD 31.7 32.1 72.8 34.4 Comment Dose [Gy] 17.01.11 17.01.11 17.01.11 17.01.11 09:32 09:35 09:39 09:43 72.8 31.7 34.4 32.1 NORMAL NORMAL NORMAL NORMAL 1.55 0.03 0.40 0.03 72.8 31.7 34.4 32.1 2 18.01.11 18.01.11 18.01.11 18.01.11 09:07 09:11 09:13 09:17 1.55 0.03 0.40 0.03 3142 NORMAL NORMAL NORMAL

Each treatment unit has own treatment calendar for working day planning.

	Date: 02.05.2011		Total: 7	×	Close
Time	Surname, Name	Patient ID	RX Site	9,	Select
07:20	Kralikova, Ludmila	585417/415	plan1- panev	-	
07:40	Dolejs, Jan	580226/510	Plan3 - novy (s novou maskou) simulace		
00:80	Vondra, Petr	530118/029	plan2		
08:30	Langerova, Alzbeta	516118/2215	B1+ bloky		
09:00	Dvorakova, Helena	475809/156	Plan1		
09:20	Blatny, Bedrich	450602/052	plan3 - s bloky (Ozařování)		
09:50	Koruna, Josef	490717/153	Plan1		

Treatment is not allowed until all verified parameters correspond.

🔕 Tolerances					
Machine:	TB100				
Available Tables:	Basic				-
Tolerances:	Parameter	Value	Unit		
	Collimation system Collimator rotation Diaphragma X1 Diaphragma X2 Diaphragma Y1 Gantry Gantry arc end position Gantry rotation Patient couch Couch isocentric rotation Couch lateral Couch longitudinal Couch longitudinal Couch solution	+1.0	cm cm cm cm deg deg deg deg cm cm		
<u>N</u> ew	L			×	<u>C</u> lose



Configuration modul is used for TERAGIS setting-up according to department. User can define parameters of treatment units and corresponding tolerance tables.

🔕 🛛 Field Edit	
Field:	1
Number:	1
Cumulative Weight [%]:	50.49
Machine:	TERABALT ACS 100
Туре:	SAD
Tolerance:	Basic
Comment:	
	Cancel Save

Department staff can be selected to proffesional groups with appropriate rights. Supervisor of the system can delegate appropriate rights and passwords



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