

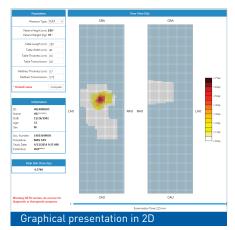
RSNA 2016

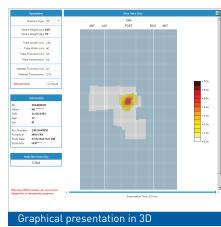
The new features of the DACS

RADIATION DOSE MONITOR (RDM)

PEAK SKIN DOSE

- Graphical presentation in 2D or 3D of the skin dose and calculation of the Peak Skin Dose (PSD) from an RDSR modality
- Indication of the dose at a particular point on a dose distribution graphical presentation
- Visualization of the skin dose evolution during the whole procedure with the aid of a time scale





COMPARISON MODULE

- New advanced statistical tool enabling cross-dose data comparison on identical period, or different periods, hetween.
 - Modalities, healthcare institutions
 - Protocols, procedures, group of procedures, anatomical regions
 - Group populations, healthcare professionals, etc.
- · Comparison possible simultaneously for up to 4 data sets

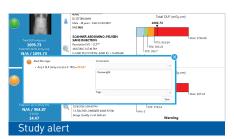






POWERFUL ALERT SYSTEM

- Advanced alert system, including previous modalities
- · Patient alert system based on:
 - Dose data (cumulative DLP, DAP, Air Kerma, glandular dose, MBq activity, etc.)
 - Studies by modalities
- Specific alerts on studies according to the patient type (age, weight, sex, etc.) based on:
 - Procedures
 - Study protocols
 - Acquisition protocols (in scanner, specific anatomical region in conventional, etc.)



File		10	Nome	Sex	008	Intibation	
0	å.	4578942014	861	F	14/10/1991	HOP	7 Daydo: 4 Shedec (R) 2 Marthol: 24 Shedec (32) - Taral DLP (milyocol): 2147-83 (2000) 5 Marthol: 27 Shedec (55) - Taral DLP (milyocol): 2290.49 (2000)
	4	4236947060	002	ř	5/6/2964	HOPere	2 Month(r): \$2 Studies (\$2) - Total DEP (mSp.cov), \$1558.87 (\$880); 6 Month(r): Total DEP (mSp.cov); \$2417.62 (\$280).
	å	Q10QH	809	м	11/16/180	HOP	2 Month(g): Total DEP (mSy xmg): 12388.35 (28980) 6 Month(g): Total DEP (mSy xmg): 15248.32 (22980)
	4	4216058734	G0	м	1/26/2368	HOpen	2 Month(c): Total DLP (m/gy,cng): 16361 85 (3898) 6 Month(c): Total DLP (m/gy,cng): 16361 85 (3298)
	å	42105295	coe	F	1/3/2016	нор	2 Monthico: Total DEP (m/dy.cmo; 12798.95 (28990) 6 Monthico: Total DEP (m/dy.cmo; 13231.98 (22990)
	4	240608329	CONF	м	1/21/2001	HCF===	7 Drugi(): 4 Studies (4)
	4	2599407540	620	м	6/1/2000	HOP	6 Month (c): Total DLP (mGy.cm): 12595 36 (32990)
	4	421/05/26	642	м	6/21/2568	HOPere	6 Month CO: Total SUP (mily cm): 14662 75 (32660)
	å	421000001	GAN	м	1/11/1969	HOP	6 Month (i) Total DLP (mlycon): 1975 LB (\$200)
	8	1395073307	0.5	м	10/7/2049	HOpens	7 Depth 7 Studies (R
	4	3004082505	000	м	5/24/2548	H06	6 Monthico Total DLP only and 1999 85 (2200)
	4	4113073396	KYD	м	5/24/2363	HObses	2 Month((): Total DLP (mily.cm): 1825L34 (1899)
	å.	3367962517	H2	м	1/11/1954	нор	7 Day(c): 4 Studies (6)
	4	2289026938	(00		1/21/2548	HOPere	7 Deptit 4 Studies (4)
	å.	2600000062	MAG	м	16/29/1892	ное	6 Month Co. Total DAP AB Golycom ³ 2 189238-35 (259986)
С	iu	mul	lative d	ns	e a	alert	



BETTER INVOLVEMENT IN RADIATION SAFETY OF ALL WHO ARE RESPONSIBLE FOR THE DOSE CYCLE

Easy, ergonomic and intuitive interface – with a clear definition of each person's role

- Automatically send e-mail alerts by modality
- · Listing of patients with alerts and at risk
- · History of maintenance and quality control of the modalities (documents and deviation factor of tubes)



TECHNOLOGIST

- · Insertion of weight, size, pregnant patient - in 1 click
- Easy justification of alerts
- · Better ergonomic interface for the follow-up of today's studies

- · Portfolio: ability to attach any file or image to the patient records
- · Better ergonomic interface

SPECIALIST (dermatologist, interventional surgeon, etc.)

RADIOLOGIST

· Rating of the image quality

Image Quality	Patient ID	Patient Name
会会会会会	SIR108736	MAM******
会会会会会	SCA27453	BOR******
	SIR14084	JIM*******
	SCA24555	SAL*******

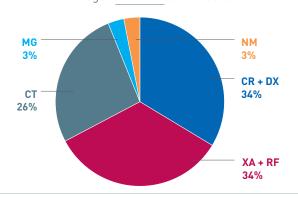
ALERTS DISTRIBUTION

- · Alerts spread over the days of the week
- · Visualizations of the shifts and time slots that use the most radiation (ex: day/night shift)
- Display of all dose alerts during a specific period: week(s), month(s) or year(s)



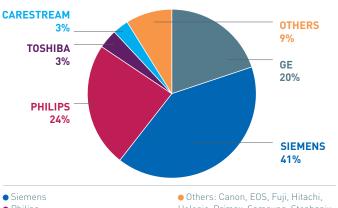
SOME STATISTICS ON OUR DEPLOYMENT

Percentage of modalities connected



- Digital and Conventional Radiology
- Interventional Radiology & Radio-fluoroscopy modalities
- Computed Tomography
- Mammography
- Nuclear Medicine (PET/SPECT)

Percentage of manufacturers connected



Philips

• GF

Carestream

Toshiba

Hologic, Primax, Samsung, Stephanix, 7iehm

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