



The Radiology Information Solution

Obstetric Ultrasound Module

Standard Forms

For more details please contact: e: sales@hssnet.com t: 01623 489825 HSS, 3rd Floor, i2 Mansfield, Hamilton Court Oakham Business Park, Mansfield, NG18 5FB HSS is part of the Wellbeing Software Group





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Introduction

Purpose

This CRIB sheet has been written using the default Obstetric Ultrasound Package for the CRIS System specified by the North West Obstetric Clinical Reference Group (CRG).

Audience

This CRIB sheet is aimed at Obstetricians and Sonographers using the CRIS Obstetric Ultrasound Module, and RIS / PACS System Managers responsible for supporting, configuring and troubleshooting this module.





Obstetric Reporting Scan Forms

REPORTING AND SONOGRAPHER MODE is recommended for users who are responsible for typing and printing Obstetric reports. CRIS will automatically display / highlight the most appropriate screens and buttons.

When entering details via Obstetric Ultrasound Reports, values can be left blank and the field title will not be printed.

Early Pregnancy Scan (NW)

To select from the options in each drop down list use [F4] or double click. Select the value you want and [Enter] or double click.

Patient consented to scan					
Scan Reason	-	Method	•	Uterus	•
Endometrium	-	Endometrial thickness	0.0 mm		
Sac diameter 0.0 0.	0 0.0 mm				
Gestation Sac	-	Sac Site	•	Shape	•
Yolk Sac	-	Fetal Pole	•	Fetal Heartbeat	•
Adnexa	-	Free Fluid	-		

EARLY PREGNANCY FIELDS (NW)	
Patient Consented To Scan - New	A Tick box which allows users to record if the patient has consented to the scan being performed
	Amniocentesis
	New Anomaly
	Booking
	Bleeding
	See Comments
	CVS
	Diabetic
	Dating & NT - New
Scan Reason	Dating
	Fetal Study
	Growth
	Medical Disorder
	NT - New
	Prev Fetal Abnorm
	Poor Obs History
	Pain
	Prev Obs History
	Reassurance







	Rescan Anomaly				
	Transfer Booker				
	Twins				
	Viability				
	TA + TV				
Method	Trans Abdominal				
	Trans Vaginal				
Uterus	Bulky				
	Normal				
	Abnormal				
Endomotrium	Normal				
endometrum	Thickened				
	Thin				
Endometrial thickness (mm)	Enter in mm.				
Sac diameter 0.0 0.0 0.0 mm	Enter measurements in mm. in all fields.				
	More Than One				
Gestation Sac	Not Present				
	Present				
	Abnormal				
	Cervical				
Sac Site	Cornual				
	Ectopic				
	Normal				
Shano	Irregular				
	Regular				
Yolk Sac					
Fetal Pole	See Comments / Seen / Not Seen				
	More Than One				
Fetal Heartbeat	Not Present				
	Present				
Adnexa	See Comments / Seen / Not Seen				
Free Fluid					

EARLY PREGNANCY MEASUREMENTS CRL 0.0 mm Wks Days Gestational Age By Scan 0 Wks 0 Days

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EARLY PREGNANCY MEASUREMENTS WITH LMP (IF ENABLED)

									_
CRL	9.5	mm	7 Wks	0 D:	ays		*		
LMP	25/12/2012]	7 Wks	0 D:	ays El	DD	01/10/201	3	
Gesta	ational Age By	CRL	7 Wks	0 D:	ays El	DD [01/10/201	3	
Enter CRL (mm) and press [Enter] to automatically calculate the Gestational Age by CRL (Crown Rump Length) and EDD (Estimated Date of Delivery). These calculations are based on Robinson key equations and calculations.									
The Ges	stational Age b	oy Scan	,or EDD can be	manually ov	verridd	en b	y the Use	r but tl	his will be displayed as follows:
Gestational Age By USER 6 Wks 5 Days EDD 03/10/2013									
<u>Please note:</u> If the EDD date is removed at this point the EDD on future scan forms will have to be manually entered. Similarly if the EDD is manually amended at this point the EDD, future scans will also display this amended date as it is assumed that the 'User' has chosen to override the automatic calculation. The only exception to these rules is if the Trust has enabled the EDDCutOffDays XR Setting which defines the no.days before an EDD is considered accurate (i.e. 56 Days – 8 weeks).									
Screeni	ing Incomplete	9? 🗌	New - Incor box.	nplete screer	nings ca	an b	e recorde	d by cl	icking the 'Screening Incomplete?' tick
Comme	The comments section should be used to enter additional information / details regarding the scan. To type additional comments left click beneath Comments: and begin typing.								

<u>Please note:</u> Obstetric forms can also be configured not to display LMP, print EDD or suggested rescan date.





Dating Scan (NW)

Patient consented to scan					
Scan Reason	-	Scan Method	-	Fetal Heartbeat	-
Adnexa		Placenta	-	Chorionicity	~
NT	0.0 mm	Sac Diameter	0.0		

DATING SCAN (NW)	
Patient Consented to Scan	Tick box to record if the patient has consented to the scan being performed.
	Amniocentesis
	New Anomaly
	Booking
	Bleeding
	See Comments
	CVS
	Diabetic
	Dating & NT - New
	Dating
Scan Reason	Fetal Study
	Growth
	Medical Disorder
	NT - New
	Prev Fetal Abnorm
	Poor Obs History
	Pain
	Prev Obs History
	Reassurance
	Rescan Anomaly
	Transfer Booker
	TA + TV
Scan Method	Trans Abdominal
	Trans Vaginal
	More Than One
Fetal Heartbeat	Not Present
	Present
Adnexa	See Comments/ Seen/ Not Seen
	Anterior
	Fundal
Placenta	Left Lateral
	Posterior
	Right Lateral







	MA / DC
Characterist	DA / DC
Chronicity	Monoamniotic / Dichorionic – New
	MA / MC
NT (mm)	Nuchal Translucency entered in mm
Sac Diameter (mm)	Enter in mm.

CRL 0.0 mm Wks Days Image: State of the				
CRL0.0mmWksDaysImage: Second sec	DATING MEASUREMENTS			
HC0.0mmWksDaysImage: Second sec	CRL 0.0 mm	Wks	Days	
FL0.0mmWksDaysMassGestational Age By Scan0Wks0DaysEDDAnatomy20Wks0DaysDate03/08/2013Suggested Rescan Date34Wks0DaysDate09/11/2013	HC 0.0 mm	Wks	Days	
Gestational Age By Scan0Wks0DaysEDDAnatomy20Wks0DaysDate03/08/2013Suggested Rescan Date34Wks0DaysDate09/11/2013	FL 0.0 mm	Wks	Days	
Anatomy20Wks0DaysDate03/08/2013Suggested Rescan Date34Wks0DaysDate09/11/2013	Gestational Age By Scan	0 Wks	0 Days	EDD
Suggested Rescan Date 34 Wks 0 Days Date 09/11/2013	Anatomy	20 Wks	0 Days	Date 03/08/2013
	Suggested Rescan Date	34 Wks	0 Days	Date 09/11/2013
DATING MEASUREMENTS WITH I MP (IE ENARIED)		/ITH I MD (IE ENIA		
	DATING MEASOREMENTS W			

CRL	56.0	mm	12	Wks	1	Days		
HC	0.0	mm		Wks		Days		
FL	0.0	mm		Wks		Days		
LMP	25/12/2012]	11	Wks	4	Days	EDD	01/10/2013
Gestat	tional Age By	CRL	11	Wks	4	Days	EDD	01/10/2013
	Ana	tomy	20	Wks	0	Days	Date	14/05/2013
Sugge	ested Rescan	Date	34	Wks	0	Days	Date	20/08/2013

Enter CRL, HC and FL as applicable and press [Enter] to automatically calculate the Gestational Age by CRL (Crown Rump Length), or HC if this is not entered or FL if CRL and HC have not been entered.

For the Dating Scan the EDD is carried from the previous scan as applicable, if this is not present then EDD calculated on CRL, if this is not present then EDD is calculated on HC based on Robinson and Chitty key equations / calculations respectively.

The Gestational Age by Scan ,or EDD can be manually overridden by the User but this will be displayed as follows:

Gestational Age By USER	6	Wks	5	Days	EDD	03/10/2013
-------------------------	---	-----	---	------	-----	------------

The Gestational Age by Scan can also be overidden to reflect a particular measurement – i.e HC or CRL by matching the Gestational Age by scan Wks and Days to the appropriate measurement.







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Gestational Age By HC 12	Wks 2 Days EDD 26/09/2013				
<u>Please note:</u> If the EDD date is removed at this point the EDD on future scan forms will have to be manually entered. Similarly if the EDD is manually amended at this point the EDD, future scans will also display this amended date as it is assumed that the 'User' has chosen to override the automatic calculation.					
Screening Incomplete?	New - Incomplete screenings can be recorded by clicking the 'Screening Incomplete?' tick box.				
Comments:	The comments section should be used to enter additional information / details regarding the scan. To type additional comments left click beneath Comments: and begin typing.				

<u>Please note:</u> The Anatomy date field is only designed as a guide to assist in planning future appointments. This defaults to 20 weeks but can be changed to allow you to calculate any date. It is not stored on the report and is only accurate once the EDD has been entered. Forms can also be configured not to display LMP, print EDD or suggested rescan date.





Anatomy Scan (NW)

Patient consented to scan		Scan Reason	•		
Fetal Heartbeat	•	4C Heart	-	Outflow	-
Cranial Structures	•	Cerebellum	-	Face	-
Stomach/Diaphragm	•	Kidneys	-	Bladder	-
Abdo Wall	•	Spine	-		
Upper Limbs	•	Lower Limbs	-		
Placenta	•	Site	•	Liquor Volume	•

ANATOMY SCAN					
Patient Consented to scan	Tick box to record if the patient has consented to the scan being performed.				
	More Than One				
Fetal Heartbeat	Not Present				
	Present				
4C Heart					
Cranial Structures					
Cerebellum					
Face					
Stomach/ Diaphragm					
Kidneys	See Comments/ Seen/ Not Seen				
Bladder					
Abdo Walls					
Spine					
Upper Limbs					
Lower Limbs					
	Anterior				
Placonta	Fundal				
Fidcenta	Left Lateral				
	Posterior				
	Abutting OS				
	Clear of OS				
	Covering OS				
Sito	Low, clear of OS				
JIC	Low Lying				
	Overlying OS				
	See Comments				
	Touching OS				







	Low – Additional fields will appear to complete AFI values.AFI 0.0 + 0.0 + 0.0 = 0.0				
Liquor Volume (cm)	Normal				
	Oligohydramnios – Additional fields will appear to complete AFI values.				
	Polyhydramnios – Additional fields will appear to complete AFI values.				
	Raised- complete – Additional fields will appear to complete AFI values.				

ANATOMY MEASUREMENTS

нс	0.0 mm	Wks	Days	
AC	0.0 mm	Wks	Days	
FL	0.0 mm	Wks	Days	
Gestatio	nal Age By Scan	0 Wks	0 Days	EDD

ANATOMY MEASUREMENTS WITH LMP (IF ENABLED)

НС	0.0 mm		Wks		Days	
AC	0.0 mm		Wks		Days	
FL	0.0 mm		Wks		Days	
LMP [25/12/2012	19	Wks	4	Days	EDD 01/10/2013
Gesta	tional Age By Scan	0	Wks	0	Days	EDD

Enter HC, AC, and FL as applicable and press [Enter] to automatically calculate the Gestational Age by HC (Head Circumference) or FL if this is not entered.

For the Anatomy Scan the EDD is carried from the previous scan, if this is not present then EDD calculated on HC, if this is not present then EDD calculated on FL. These are based on Chitty key equations / calculations respectively.

The Gestational Age by Scan , or EDD can be manually overridden by the User but this will be displayed as follows:

Gestational Age By USER	19	Wks	1	Days	EDD	04/10/2013
-------------------------	----	-----	---	------	-----	------------

Wks 5

The Gestational Age by Scan can also be overidden to reflect a particular measurement – i.e HC or FL by matching the Gestational Age by scan Wks and Days to the appropriate measurement.

Days EDD 30/09/2013

Gestational Age By HC

override the automatic calculation.

<u>Please note:</u> If the EDD date is re	moved at this point	the EDD on future sc	an forms will ha	ave to be manually	entered. Simila	rly if the EDD	is
manually amended at this point	the EDD, future sca	ans will also display th	his amended da	ate as it is assumed	that the 'User'	' has chosen	to

Screening Incomplete?	New - Incomplete screenings can be recorded by clicking the 'Screening Incomplete?' tick box.
Comments:	The comments section should be used to enter additional information / details

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regarding the scan. To type additional comments left click beneath Comments: and
begin typing.

Detailed Scan (NW)

Patient consented to scan		Scan Reason				
Fetal Heartbeat	•	4C Heart	•	Outflow		
Ventricles	•	CSP		Cerebellum	•	
Face	•	Lips	•	Profile	-	
Stomach/Diaphragm	•	Kidneys		Bladder	•	
Spine Sagittal	•	Coronal		Transverse		
Upper Limbs	•	Hands		Abdo Wali		
Lower Limbs	•	Feet		Cord	•	
Placenta	•	Site		Liquor Volume	•	
Fetal Movement	•					
EDF	-	PI	0.0 RI 0.0	S/D	0.0	

DETAILED SCAN (NW)		
Patient Consented to scan	Tick box to record if the patient consented to the scan being performed.	
	More Than One	
Fetal Heartbeat	Not Present	
	Present	
4C Heart		
Outflow		
Ventricles		
CSP (Cavum Septum Pellucidum)		
Cerebellum		
Face		
Lips		
Profile		
Stomach/ Diaphragm	– See Comments / Seen / Not Seen	
Kidneys		
Bladder		
Spine Sagittal		
Coronal		
Transverse		
Upper Limbs		
Hands		
Abdo Wall		





Lower Limbs						
Feet						
	2 Vessels					
Cord	3 Vessels					
	Not Seen					
	Anterior					
	Fundal					
Placenta	Left Lateral					
	Posterior					
	Right Lateral					
	Abutting OS					
	Clear of OS					
	Covering OS					
Sito	Low, clear of OS					
Site	Low Lying					
	Overlying OS					
	See Comments					
	Touching OS					
	Low – Additional fields will appear to complete AFI values.					
	AFI 0.0 + 0.0 + 0.0 + 0.0 = 0.0					
Liquor Volumo (cm)	Normal					
	Oligohydramnios – Additional fields will appear to complete AFI values.					
	Polyhydramnios – Additional fields will appear to complete AFI values.					
	Raised- complete – Additional fields will appear to complete AFI values.					
Fetal Movement	See Comments/ Seen/ Not Seen					
EDF - End Diastolic Flow	Absent / Present / Reversed					
PI - Pulsatility Index						
RI - Resistivity Index	Enter as required					
S/D - Systolic / Diastolic Ratio						

DETAILED MEASUREMENTS



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DETAILED MEASUREMENTS WITH LMP (IF ENABLED)			
HC 0.0 mm Wks	Days		
AC 0.0 mm Wks	Days		
FL 0.0 mm Wks	Days		
Cerebellum 0.0 mm Wks	Days		
LMP 25/12/2012 19 Wks	4 Days EDD 01/10/2013		
Gestational Age By Scan 0 Wks	0 Days EDD		
Enter HC, AC, FL and Cerebellum - <i>New</i> as applicable and press [Enter] to automatically calculate the Gestational Age by HC (Head Circumference) or FL if this is not entered.			
For the Detailed Scan the EDD is carried from the previous scan, if this is not present then EDD calculated on HC, if this is not present then EDD calculated on FL. These are based on Chitty key equations / calculations respectively.			
The Gestational Age by Scan ,or EDD can be manually overridden by the User but this will be displayed as follows:			
Gestational Age By USER 19 Wks	Days EDD 04/10/2013		
The Gestational Age by Scan can also be o	The Gestational Age by Scan can also be overidden to reflect a particular measurement - i.e FL by matching the		
Gestational Age by scan Wks and Days to the appropriate measurement.			
Gestational Age By FL 19 Wks 2	Days EDD 03/10/2013		
<u>Please note</u> : If the EDD date is removed at this point manually amended at this point the EDD, future sca override the automatic calculation.	the EDD on future scan forms will have to be manually entered. Similarly if the EDD is ns will also display this amended date as it is assumed that the 'User' has chosen to		
Screening Incomplete?	<i>New</i> - Incomplete screenings can be recorded by clicking the 'Screening Incomplete?' tick box.		
	The comments section should be used to enter additional		
Comments:	information / details regarding the scan. To type additional comments left click beneath Comments: and begin typing.		





Growth Scan (NW)

Patient consented to scan		Scan Reason	-		
Fetal Heartbeat	•	Presentation	•	Fetal Movements	•
Stomach / Diaphragm	•	Kidneys		Bladder	
Placenta	•	Site		Liquor Volume	
EDF	•	PI	0.0 RI 0.0	S/D	0.0

GROWTH SCAN (NW)			
Patient Consented to scan	Tick box to record if the patient consented to the scan being performed.		
	More Than One		
Fetal Heartbeat	Not Present		
	Present		
	Breech		
	Breech Legs Extended		
	Footling Breech		
	Breech Maternal Left		
	Breech Maternal Right		
	Cephalic		
Presentation	Cephalic Maternal Left		
	Cephalic Maternal Right		
	Head to Mat. Left		
	Oblique Lie		
	Heat to Mat. Right		
	Transverse Lie		
	Vertical		
Fetal Movements			
Stomach/ Diaphragm	See Comments/Seen/Not Seen		
Kidneys			
Bladder			
	Anterior		
Placenta	Fundal		
	Left Lateral		
	Posterior		
	Right Lateral		
	Abutting OS		
Sito	Clear of OS		
	Covering OS		
Site	Low, clear of OS		
	Low Lying		
	Overlying OS		





	See Comments		
	ouching OS		
	Low – Additional fields will appear to complete AFI values.AFI 0.0 + 0.0 + 0.0 = 0.0		
Liquor Volume (cm)	Normal		
	Oligohydramnios – Additional fields will appear to complete AFI values.		
	Polyhydramnios – Additional fields will appear to complete AFI values.		
	Raised- complete – Additional fields will appear to complete AFI values.		
EDF - End Diastolic Flow	Absent / Present / Reversed		
PI - Pulsatility Index			
RI - Resistivity Index	- Enter as required		
S/D - Systolic / Diastolic Ratio			

GROWTH MEASUREMENTS
HC 0.0 mm Wks Days
AC 0.0 mm Wks Days
FL 0.0 mm Wks Days
Gestational Age By Scan 0 Wks 0 Days EDD
EFW by 0.0 gms
GROWTH MEASUREMENTS WITH LMP (IF ENABLED)
HC 0.0 mm Wks Days
AC 0.0 mm Wks Days
FL 0.0 mm Wks Days
LMP 25/12/2012 31 Wks 4 Days EDD 01/10/2013
Gestational Age By Scan 0 Wks 0 Days EDD
EFW by 0.0 gms
inter HC, AC, and FL as applicable and press [Enter] to automatically calculate the Gestational Age by HC (Head Circumference) or FL if this is not entered.
for the Growth Scan the EDD is carried from the previous scan, if this is not present then EDD calculated on HC, if this s not present then EDD calculated on FL. These are based on Chitty key equations / calculations respectively.
he Gestational Age by Scan ,or EDD can be manually overridden by the User but this will be displayed as follows:
Gestational Age By USER 32 Wks 1 Days EDD 27/09/2013
he Gestational Age by Scan can also be overidden to reflect a particular measurement - i.e FL by matching the

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Gestational Age by scan Wks and Days to the appropriate measurement.		
Gestational Age By FL 31	Wks	3 Days EDD 02/10/2013
<u>Please note:</u> If the EDD date is remov manually amended at this point the override the automatic calculation.	ed at this p EDD, future	point the EDD on future scan forms will have to be manually entered. Similarly if the EDD is e scans will also display this amended date as it is assumed that the 'User' has chosen to
	EFW by	0.0 gms
	С	Campbell (AC only)
	H1	Hadlock AC +FL
	H2	Hadlock HC + AC + FL
	S	Shepherd AC + BPD (Legacy field value for previous data integrity)
EFW - Estimated Fetal Weight	This of AC ar This can the resu The def priority It is ho REPORT CRIS can the ord will also to calco recomm	gms field will be completed automatically based on the combination and FL measurements, or according to EFW priority specified via the XR Setting. In also be overridden via the 'EFW by' field by pressing [F4] and selecting from alting list. ault configuration of CRIS is to calculate the EFW in grams using the equation of Hadlock 1 - If the AC and FL are entered or Campbell if only AC is entered. wever possible to prevent AC only calculations by setting the XR setting '.ObsAllowEFWbyACOnly = N so that this equation is ignored. n also be configured using the XR Setting REPORT.ObsEFWPriority to change er of equation priority from the default. Changing the default priority order allow the users to choose from the list of options using [F4] on the EFW field ulate EFW on the report. <u>Please note:</u> Unless otherwise stated HSS hend H2,H1 (Hadlock 2 then Hadlock 1).
Screening Incomplete?	New - Ir tick box	ncomplete screenings can be recorded by clicking the 'Screening Incomplete?'
Comments:	The cor regardi	mments section should be used to enter additional information / details ng the scan. To type additional comments left click beneath Comments:
	and beg	gin typing.





Additional Functionality

How to Add or Remove a Foetus	
REPORT E-21914 Fetus/Sac 1 of 1 Early Scan (North West)	Attended-03/04/2008 Start 03/03/2008 End Unknown Key 21914
Scan Reason 🗨 Me	hod 🔽 Uterus Not Checked 💌
Endometrium Endometrial thickn	ess 🔊 Undo
Sac diameter 0.0 0.0 0.0 mm	C Redo
Gestation Sac 🔽 Sac	Site 2 Mark as unchecked (Check)
Yolk Sac 🔽 Fetal	Pole Add addendum t
Adnexa Free	Load PACS images for Exam
CRL 0.0 mm 0 1 Gestational Age By Scan 0 1 Comments:	C Add foetus Aks Correspondence Close Pregnancy Add a foetus New Pregnancy New Pregnancy Change Scan Form Edit Series Properties Restricted

WHEN TO USE 'ADD FOETUS'

To report on more than one fetus (e.g. twins) you should right-click via the Report Editor and select 'Add foetus' from the resulting menu. This will load another scan form into the same report and display 'Fetus/Sac 1 of 2' on the current, and all future scan forms. For triplets/ quadruplets etc. continue to select 'Add foetus' until the correct number of scan forms have appeared.

Double click a graph to enlarge the graph and double click an enlarged graph to return back to normal view with all graphs.









Each Fetus is displayed using a different colour (shown via the key at the top) and shape to identify the different measurements for each fetus. The colour and shape is displayed on screen, and printed as unique shapes via black and white printouts.

WHEN TO USE 'REMOVE FOETUS'

'Remove Foetus' is designed to identify that a 'FETUS IS NO LONGER VIABLE' and can be selected via the rightclick menu via the Report Editor at the point you notice this is the case. The Fetus details will remain on the current report but <u>will not</u> appear on any future scans. This tool is not designed to close an event with only one fetus, if there is only one fetus please use 'Close Pregnancy'.

<u>Please note:</u> If you mistakenly select 'Add Foetus' and have not saved the report you should select [F5] to clear the report and the incorrectly added fetus. If the report has already been saved you will have to use 'Remove Foetus' - the 2nd fetus will remain on the original report, but not on any subsequent scans.







Selecting an Alternative Scan Form



Selecting 'Change Scan Form' allows the user to change scan forms without going back to the <u>Event Details screen</u> and changing the exam code – i.e. changing a 'Detailed Scan' form to an 'Anomaly Scan' form. However it is essential that you select 'Change Scan form' and load the new scan form BEFORE any details are entered in order to maintain data integrity.

Episodes Screen

All scans related to each pregnancy term are visible via the <u>Episodes screen</u> tab. The folder for each pregnancy term can be opened to display all associated scans, and the number of Fetus and EDD are displayed on the folder.







How to Close a Pregnancy or Identify a New Pregnancy

Fetus/Sac1 of 1 Early Scan (North West) Start 21/01/2008 End 28/10/2007 Key 19214 Scan Reason Method Uterus Not Checked Indo Endometrial thick Undo Redo Sac diameter 0.0 0.0 0.0 mm Verify Mark as unchecked (Check) Add addendum Yolk Sac Fetal Set Actioned by AMTRAIN Load PACS images for Exam CRL 0.0 mm % Add foetus % Remove foetus Close Pregnancy New Pregnancy Edit Series Properties Properties Change Scan Form New Pregnancy Edit Series Properties Change Scan Form Ch		E-19214				At	tended-12/03/20	07
Scan Reason Method Uterus Not Checked Indo Redo Sac diameter 0.0 0.0 Mark as unchecked (Check) Shape Yolk Sac Feta Add addendum Itbeat Itbeat Yolk Sac Feta Set Actioned by AMTRAIN Itbeat Itbeat CRL 0.0 mm Gestational Age By CRL 7 Comments: CRL CRL	Fetus/Sac	: 1 of 1 Early Sca	in (North West)		Start 2	21/01/200	08 End 28/10/20	007 Key 19214
Endometrium Image: CRL CRL 0.0 Gestational Age By CRL Comments: CRL		Scan Reason	-	Me	thod	Uterus	Not Checked	•
Sac diameter 0.0 0.0 0.0 mm Verify Gestation Sac Volk Sac Verify Yolk Sac Verify Adnexa Verify Adnexa Verify Adnexa Verify CRL 0.0 mm 0 Gestational Age By CRL 7 Comments: CRL 0.0 mm 0 CRL 0.0 mm 0 CRL 0.0 mm 0 CRL 7 Conse Pregnancy Change Scan Form New Pregnancy Edit Series Properties		Endometrium		Endometrial thick	Undo			
Gestation Sac Saa Yolk Sac Fetal Adnexa Free CRL 0.0 Gestational Age By CRL Gestational Age By CRL Comments:		Sac diameter	0.0 0.0 0.0	mm	Verify	_		
Yolk Sac Yolk Sac Adnexa CRL 0.0 mm 0 Gestational Age By CRL 7 Comments: CRL 0.0 Mm 0 CRL 0.0 Mm 0 Gestational Age By CRL 7 Close Pregnancy Change Scan Form New Pregnancy Edit Series Properties		Gestation Sac	•	Sac	Mark as unchecked (Check)	Shape		-
Adnexa Free CRL 0.0 Gestational Age By CRL 7 Close Pregnancy Close Pregnancy Change Scan Form New Pregnancy Edit Series Properties		Yolk Sac	•	Fetal	Add addendum Set Actioned by AMTRAIN	irtbeat		-
CRL 0.0 mm 0 % Add foetus Gestational Age By CRL 7 Close Pregnancy I Comments: New Pregnancy I Change Scan Form New Pregnancy Edit Series Properties		Adnexa	•	Free	Load PACS images for Exam			
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Change Scan Form New Pregnancy Edit Series Properties					New Pregnancy			
Edit Series Properties	Comments:				Change Scan Form New Pregnan	су		
Properties					Edit Series			
					Properties			
Restricted					Restricted			
Delete Report					Delete Report			
Print					Print			

CLOSE PREGNANCY

'Close Pregnancy' is used to identify that a pregnancy is not going to go to full term. Consequently, this should only be used in the event of a scan which results in identifying the fetus is no longer viable, or an anomaly scan which will end with a termination.

If the next scan takes place at least one month after using 'Close Pregnancy' CRIS will automatically allocate a new pregnancy key and EDD – otherwise it will be necessary to use 'New Pregnancy' and manually correct the EDD.

<u>Please note</u>: 'Close Pregnancy' should NOT be used at the time of booking / reporting a new pregnancy. **NEW** - A new security setting of REPORT.CLOSE_PREGNANCY has been created in order to control whether the 'close pregnancy' option is available or not.

NEW PREGNANCY

If a previous pregnancy does not go to full term (i.e. in the event of miscarriage or termination), and the patient becomes pregnant again during the original/previous pregnancy term, it will be necessary to use 'New Pregnancy'. This should only be used when booking/reporting the first scan of the new pregnancy term.

It will however be necessary to check / manually correct the EDD of this new pregnancy.

<u>Please note:</u> If 'New Pregnancy' is not used, CRIS will assume that the scan is part of previous pregnancy term and use the same EDD, pregnancy key and Episode.







Obstetric Ultrasound Module Access Settings

ACTIVATING THE OBSTETRIC ULTRASOUND MODULE

To begin using the CRIS Obstetric Ultrasound Module the RIS System Administrators will need to assign the appropriate Obstetric forms to an examination code using the 'Scan Reason' field located in the CRIS System Tables via either the **EXAMINATION TABLE** (this is SHA / Consortium wide) or **EXAMS PER HOSPITAL TABLE** which is site specific. It will also be necessary to review/configure the relevant XR Settings in context to Trust working practice.

SECURITY SETTINGS

There is only one security settings associated with the Obstetric Ultrasound Module and that is **REPORT.CLOSE_PREGNANCY** which controls access to the setting via the right-click menu in the report editor and will need to be assigned to all applicable user groups (roles).

Obstetric Module Table Configuration

OBSTETRIC ULTRASOUND XR CONFIGURATION SETTINGS

Please refer to CRIS_CRIB_IM_354_Obstetric_Ultrasound_Configuration.doc for full details of all configuration settings which enable the Trust to customise the module as applicable.

OBSTETRIC SCAN FORMS

The following scan forms are available via the *Standard Obstetric Ultrasound Forms* and can be assigned to appear automatically when reporting a specific Obstetric examination. This configuration is undertaken via either Exams Per Hospital (Site level configuration) or Examination codes (System Wide configuration).

SCAN FORM CODE	NAME/DESCRIPTION
ENW	Early pregnancy Scan (1 st Trimester Viability Scan)
DATNW	Dating Scan (1 st Trimester Scan)
ANATNW	Anatomy Scan (Basic 2 nd Trimester Scan)
DETNW	Detailed Scan (An alternative and more detailed 2 nd Trimester Scan)
GROWNW	Growth Scan (Late 2 nd and general 3 rd Trimester Scan)
FOR USE WITH FETA	L ANOMALY MODULE IF PURCHASED
ANOMNW	Fetal Anomaly Scan Form
BIOPNW	Biophysical Profile Scan Form
OUTCNW	Pregnancy Outcome Form (Post Natal)

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APPOINTMENT > EXAMS PER HOSPITAL

HSS recommend that Obstetric 'Scan Reasons' are primarily applied via **EXAMS PER HOSPITAL** as 'Forms' assigned at this level are 'Site' specific rather than SHA / Consortium to enable each Trust to make their own decision to which forms should appear when using different Examination codes. Each Trust should however ensure a consistent approach across all sites to negate any compatibility/data integrity issues between sites (i.e. if an early pregnancy was performed at Hospital A, but the Dating Scan at Hospital B).

GENERAL > EXAMINATION CODES

Setting Scan Forms via GENERAL > EXAMINATION CODES is typically only available to Locally Deployed CRIS Systems not Datacentre models as 'Scan Reasons' assigned at this level will be applicable to the entire system / Consortium. Datacentre / Consortium customers should not complete 'Scan Reasons' here unless specifically advised to do so by the Consortium focus group, or CRIS helpdesk.

Troubleshooting

CORRECTING A PREGNANCY RECORD

A typical indication that the user has not selected [New Pregnancy] would be if the EDD has been carried over from the previous pregnancy term.

To confirm this go to the [Episodes] folder and in normal circumstances there should be a new pregnancy folder with a new pregnancy key and the correct EDD. However, if this is not visible it is likely that the most recent scan has been incorrectly attached to a previous pregnancy term. Consequently by opening the last pregnancy folder and reviewing the contents you should immediately notice the most recent scan is actually in this folder.

To correct this and create a new Episode 'Pregnancy Folder' and EDD - Load the report for the first scan (Event) of the new pregnancy term

Right click and choose [New Pregnancy] followed by [Finished] and [Save] to allocate a new pregnancy key and amend EDD to the correct date for the new pregnancy term.

Reload the report and confirm that the Pregnancy key (which is displayed on the top right of the report) has changed to match the Event key (which is in blue text on the top left of the screen).

You should now check there is a new pregnancy folder with the same pregnancy key and EDD displayed via the <u>Episodes screen</u>.







CORRECTING OTHER AFFECTED SCANS/ EVENTS

If there are any subsequent scans for this pregnancy you will also need to manually allocate the same new pregnancy key and EDD. Consequently you should go to <u>Events screen</u> and right click the next affected scan and chose [Properties].

change Event Detail	S		×
Cris Number	12	Preg Key	19516
Site	HSS01	First Comp No	12
Unit		Referring Care Organisation	
Request No	667	Patient Care Organisation	5NN
		Save Cancel	

Replace the incorrect [Preg Key] with the new [Preg Key] / Event key followed by [Save].

Once the Pregnancy Key is revised you will need to reload the report and check/amend the measurements or EDD. To correct Obstetric Measurements or EDD in a report it may first be necessary to [Unverify] the original report, edit the relevant details and re-verify the report.

It is then then strongly recommend that an Addendum should be entered to stats "Please be advised that the measurements and EDD have been updated following the initial issue of this report" or words to that effect before re-verifying the report.

This process will need to be undertaken by a Key Users (i.e. Superintendent Sonographers or RIS / PACS Manager) as Unverify permission should not be given to all users as it would represent a clinical risk to unverify / edit / reverify if this process is not then supported by an addendum entry.

Repeat this process for any other scans/ Events.

Glossary of Terms

AC	Abdominal Circumference
AFI	Amniotic Fluid Index
CRL	Crown Rump Length
EDF	End Diastolic Flow
FL	Femur Length
EDD	Estimated Delivery Date
EFW	Estimated Fetal Weight
HC	Head Circumference
LMP	Last Menstrual Period
NC	Nuchal Translucency





PI	Pulsatility Index
RI	Resistivity Index
S/D	Systolic / Diastolic Ratio

Associated Documentation

CRIS_CRIB_IM_354_Obstetric Ultrasound Configuration.doc – Details of all XR Settings which enable the Trust to customise the module as applicable.

CRIS_PD118_CRIS_Obstetrics_Module_Calcs_NW.doc – Technical Document citing the key equations and calculation logic for the Obstetrics module.





Document Control

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Issue	Dat	e	Author / Editor	Details of Change			
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1.1	04/07/2011		David Costin	Amendments to version number for 2.09.10e			
1.2	04/11/2011		David Costin	Amendments to facilitate changes made in 2.09.10i			
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