

INAUGURAL AUDIT OF MISSED SGA CASES JUNE 2018

Using GAP-SCOR an audit tool from the Perinatal Institute



Welcome Haere Mai | Respect Manaaki | Together Tühono | Aim High Angamua

WHO?

13 randomly selected cases Women cared for by all types of LMC



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WHEN?

March to December 2017



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1200



HOW?



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Case #201800001

(Each case has an anonymised identifier)

- Sri Lankan woman pregnant with 2nd baby
- Non-smoker, non-drinker, normal BMI, normal polycose
- Normotensive this pregnancy
- Cholestasis on URSO
- Hx of endometriosis
- First birth EmLSCS at 36/40 in Sri Lanka for PET
- First baby on 10th centile
- Risk factors for SGA?



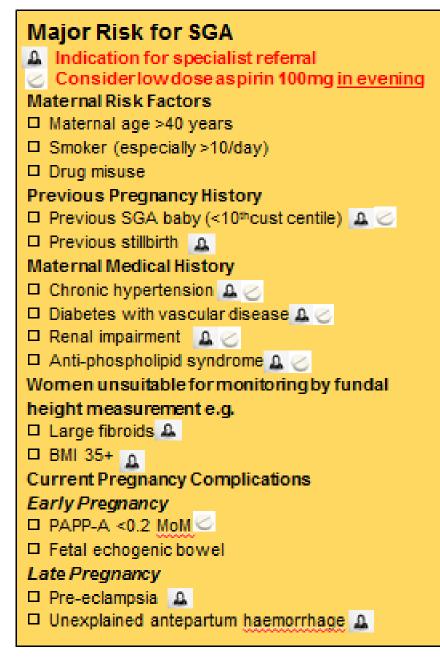
MATERNAL SUMMARY

GROW Chart ID 201800001 Gestation 38+0 Birthweight 2380 BW Centile 3.4 Last updated 20/06/2018 23:18:54
Maternal Summary Fundal Height Measurement Growth Scan Birth Details Taxonomy Action Plans
Increased risk factors at booking: Yes If yes, please select:
Maternal Risk Factors: Obstetric History: Medical History: Fundal Height Measurement Inappropriate
Maternal Age >=40 Previous SGA baby (<10th centile)
If other, please state:
If yes, were serial growth scans arranged? Yes 🔹 How many? 4 🕕 How frequently? 3-4 weekly 💌
Gestational ages 28 32 34 36
Was a customised growth chart in maternal records? Yes Were the maternal characteristics correct? Yes Was the EDD correct? Yes Were previous baby details completed? Yes Were previous baby details correct? Yes
Were risk factors/complications identified during pregnancy? No 🔻 If yes, please select:
Unexplained Antepartum Haemorrhage Severe Pregnancy Induced Hypertension PAPP-A <0.415 MoM
If yes, were serial scans arranged? How many? How frequently? Gestational ages

AUCKLAND

NZ ALGORITHM & SGA RISK ASSESSMENT

GAP-SCOR risk factors correlate with those for SGA for NZ, identified in the NZMFMN Guideline for the Management of SGA





FUNDAL HEIGHT MEASUREMENTS

GR	OW Chai	rt ID	201800001 Gestation 3	8+0 Birthweight	2380 B V	V Centile 3.4	Last updated 02/08/20)18 04:06:(05	
M	laternal S	Summary	Fundal Height Measuremen	t Growth Scan	Birth Details	Taxonomy	Action Plans			
Н	ow many	fundal he	eight measurements were perfor	med? 5						
G	estation	Plotted or	ocustomised chart Plotted correctly	Growth problem	Recognised	Referral for scan	Time between referral and sca	an		
3	0+2	Yes	Yes	1st plot <10th cent	No	Yes - referred di	14	[Edit]	x	
3	2+4	Yes	Yes	Accelerated growth	No	Yes - referred di	i 0	[Edit]	x	
3	4+4	Yes	Yes	Slow growth	No	Yes - referred di	1	[Edit]	x	
3	6+4	Yes	Yes	Slow growth	No	Yes - referred di	i 0	[Edit]	x	
3	7+4	Yes	Yes	None identified				[Edit]	x	
								[New]	/	



Were fundal height measurements performed per GAP guideline?

If no, why?

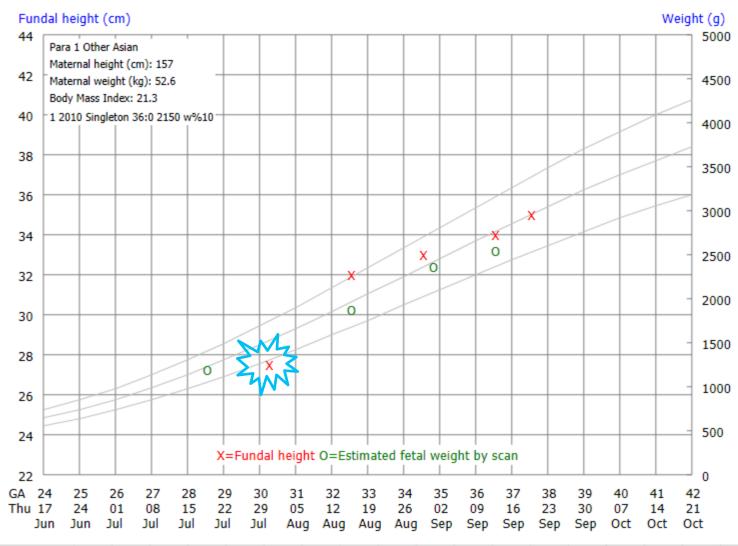
Auckland District Health Board

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GROWTH SCANS

GROW C	hart ID	201800001	Gestation 38	8+0	Birthweight	2380 BW C	entile 3.4	Last updated 20/0	6/2018 23:18:54	
Materr	nal Summa	iry 📗 Fundal Hei	ght Measurement	G	rowth Scan	Birth Details	Taxonomy	Action Plans		
How m	any growt	h scans were perfe	ormed? 4]						
Gestat	ion Reaso	n for scan		EFW	Plotted on GR	OW chart Plotted corr	ectly EFW <10	th centile Management pla	an initiated	
28+4	Seria	growth scans for	risk in pregnancy	1195		Yes	No	N/A	[Edit]	x
32+4		growth scans for				Yes	No	N/A	[Edit]	x
34+6		growth scans for				Yes	No	N/A	[E <mark>dit</mark>]	
36+4	Seria	growth scans for	risk in pregnancy	2550	Yes	Yes	No	Yes	[Fdit]	x
									[New]	
•										•
										,





Visit date	19/07	31/07	16/08	30/08	01/09	13/09	20/09						
GA	28:4	30:2	32:4	34:4	34:6	36:4	37:4						
Fundal ht		27.5	32	33		34	35						
Fetal wt	1195		1878		2374	2550							
Gardosi NZ, GF	Gardosi NZ, GROW-Chart v8.0, 2012 Printed 01/08/2018 09:0							18 09:00					

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BIRTH DETAILS

GROW Cha	art ID [201800001	Gestation	38+0	Birthweight	2380	BW Centile	3.4	Last updated 20/06/2018 23:18:54
Maternal	Summar	y 🔰 Fundal H	eight Measureme	ent G	rowth Scan	Birth Det	ails Taxo	onomy	Action Plans
Labour in Mode of		No	Reason labour in	nduced				•	If other, please state:
Apgar sc	ore <7 a	t 5 mins of age	No	5	Admission	to neonatal	unit No	•	Accuracy of EFW (%): 17.9

Discussion and action points



TAXONOMY

GROW Chart ID	201800001	Gestation 38+0	Birthweight	2380	BW Centile 3.4	Last updated 08/08/2018 00:19:04
Maternal Summa	iry 🗍 Fundal Heig	ht Measurement	Growth Scan	Birth Deta	ils Taxonomy	Action Plans
	nmendation for USS tween referral and	USS exceeds 3 days	First F	H plot	<10th cent	ile – scan within 3 days
		o act upon clinical fin nised- Failure to reco		owth pattern	to 50th c and 36+ documer	on of SFH from 90th entiles between 32+ weeks not noted in hation (luckily having serial growth



ACTION PLANS

GROW Chart ID 201	Iso0001 Gestation 38+0 Birthweight 2380 BW Centile 3.4 Last updated 02/08/2018 04:50:04
Maternal Summary Taxonomy Growth problem not Time between referr Failure to initiate app	Taxonomy: Growth problem not recognised- Failure to recognise normal growth pattern Action: Ensure that <80% staff are educated on the use of GROW charts and what to do when growth deviates from the baby's customised growth trajectory
	Person/s responsible: GAP lead midwife By when: Status: In Progress Action needed: Yes - priority Action plan complete: Overdue actions: Evidence: Reduction in the number of "Growth problem not recognised- Failure to recognise normal growth pattern"
	OK Cancel
	Save Save and exit Delete Cancel

AUCKLAND oka Tuma

CHALLENGES

- LMC notes not integrated with Healthware
- SGA questions on Healthware incomplete or completed inaccurately
- Perinatal Institute now require an audit of 30 missed SGA cases every six months, not 10
- This audit is not a big enough sample to make any changes to guidelines or policies



HOWEVER...

The top two taxonomies in this audit were:

 "No serial scans were booked although identified as increased risk at booking"

"Growth problem not recognised - Failure to recognise normal growth pattern"



OUR ACTION PLAN

- implement GAP at our DHB which will;
 - Educate staff and access holders on risk assessment at booking and,
 - Ensure staff and access holders recognise and act on abnormal growth trajectories



WHERE TO FROM HERE?

• Access to LMC notes

- Would LMCs be willing to submit their notes if their cases of missed SGA were selected for audit?
- Data entry accuracy improved
 - How do we improve the answering of the SGA questions on the Labour and Birth Summary (yellow form) and in Healthware?





"Let the smile of this child inspire you. There will be children who live because of your investment in this work. You will never know their names, but feel their smiles in your heart" Liz Smythe

