

**URMC Division of Maternal-Fetal Medicine
GUIDELINES FOR INITIATION OF NON STRESS TESTS AND AFI**

INDICATIONS	WEEKS GESTATION											Wkly US	US COMMENTS	NST COMMENTS	
	24	26	28	30	32	34	36	37	38	40	41				
Diabetes															
A1 GDM (not requiring pharmacologic tx)														Not routinely recommended	Not routinely recommended
A2 GDM															
Pre-Gestational Diabetes				x										fetal echo 20-22w	if other factors associated with increased risk of adverse pregnancy outcome are present, it may be reasonable to start surveillance earlier in pregnancy
Pre-Gestational Diabetes, uncontrolled				x										fetal echo 20-22w	
Hypertensive Disorders															
Chronic HTN no medications AND normal BP (<140/90)															
Chronic HTN on medications OR mild range BPs				x										Weekly if requiring medication adjustments	Twice weekly if requiring medication adjustments
Gestational HTN	x			x										<input checked="" type="checkbox"/> at discovery and growth q4 wks	Twice weekly testing: 1 NST and 1 BPP + weekly labs
Preeclampsia without severe features	x	x	x	x										<input checked="" type="checkbox"/> at discovery and then q2-3 wks	Twice weekly testing: 1 NST and 1 BPP + weekly labs
Preeclampsia with severe features or severe gestational HTN	x	x	x	x										<input checked="" type="checkbox"/> at discovery and then weekly	Inpatient monitoring is recommended.
Abnormal Fetal Growth* -- Please also see SMFM consult series as these guidelines are in evolution															
EFW 3-10% or isolated AC <3%ile	x	x	x	x	x	x	x	x	x	x				<input checked="" type="checkbox"/> at discovery and then serial UA Doppler assessment weekly	Weekly NST/BPP at Dx (with desired intervention); UA Doppler q 1-2 weeks for 1-2 weeks. If stable findings, UA Doppler q 2-4 weeks, CTG 1x per week EFW q 3-4 weeks
EFW <3%ile	x	x	x	x	x	x	x	x						<input checked="" type="checkbox"/> at discovery and then serial UA Doppler assessment weekly	Twice weekly NST/BPP at Dx (with desired intervention)
EFW < 10% or isolated AC <3%ile with elevated S/D (>95%ile)	x	x	x	x	x	x	x	x						<input checked="" type="checkbox"/> at discovery and then serial UA Doppler assessment weekly	Twice weekly NST/BPP at Dx (with desired intervention)
EFW < 10% or isolated AC <3%ile with A/REDF	x	x	x	x	x									<input checked="" type="checkbox"/> at discovery and then serial UA Doppler assessment per MFM consultation	Inpatient monitoring is recommended.
Isolated AC <10%ile														Follow-up US in at least 2 weeks to rule out FGR, Dopplers at Dx.	
Multiple Gestation															
Multiples - Di/Di				x											Not routinely recommended
Multiples - Mono/Di	x	x	x	x										q 2 weeks starting @ 16 weeks; fetal echo 20-22w	
Multiples - Mono/Mono	x	x	x	x	x	x	x							q 2 weeks starting @ 16 weeks; fetal echo 20-22w	Consider inpatient monitoring at 28 wks
Maternal Complications															
Age over 40														Not routinely recommended	Weekly NST
Lupus / Chronic Kidney Disease/ APLS				x											Twice weekly if unstable.
Obesity (BMI>40)				x											Weekly NST
Uncontrolled Hyper/Hypothyroidism				x										Not recommended if euthyroid	Not recommended if euthyroid
Maternal Cardiac Disease				x											Dependent on type and severity of disease or lesion
Sickle Cell Disease				x											Twice weekly if unstable or complicating factors.
Active Substance Abuse (not THC/tobacco)				x										if well-controlled, consider one growth ultrasound at 32 weeks.	NST not recommended if well-controlled on medication-assisted treatment
Obstetric Complications															
Prior IUFD (occurred at > 32 weeks)														consider single USN after 28w to identify IUGR	Start at 32w or 1-2 weeks prior to GA of prior IUFD (no earlier than 28 weeks). If IUFD occurred at < 32w in prior pregnancy, individualize surveillance plan.
Cholestasis of Pregnancy														or at discovery	
Isolated Oligohydramnios (by DVP < 2cm)														<input checked="" type="checkbox"/> at discovery and then weekly	
Red Cell Alloimmunization (at risk pregnancy not requiring transfusion)														<input checked="" type="checkbox"/> weekly MCA starting at 18-20 wks if prior affected child, Kell Ab, or titer > 1:16	If getting weekly MCA, perform simultaneous weekly BPP instead of NST
Post-dates													x	<input checked="" type="checkbox"/> one between 40-41 weeks	
Fetal anomalies															
CPAM, CVR ≥ 1.6	x	x	x	x										<input checked="" type="checkbox"/> at discovery and then weekly	
CPAM CVR < 1.6 or BPS	x													every 2-4 weeks (until resolution)	Not routinely recommended.
Sacroccygeal teratoma, vascular	x	x	x	x										<input checked="" type="checkbox"/> at discovery and then weekly	
Sacroccygeal teratoma, cystic	x	x	x	x										every 2 weeks (for small or predominantly cystic lesions)	Not routinely recommended
CDH	x													<input checked="" type="checkbox"/> Monthly	Weekly BPP, can be increased to twice weekly if FGR, oligohydramnios, or polyhydramnios
Congenital Heart Disease	x													Monthly	Dependent on type and severity of lesion
Gastroschisis, w/o FGR	x													Monthly	
Gastroschisis, w/ FGR														as per FGR	as per FGR
Urinary Tract Dilation (UTD)	x													monthly for moderate or high risk UTD, one at 32-34 wks for low risk UTD	Not routinely recommended
Trisomy 21	x														Not routinely recommended, manage as per complicating factors
Hydrops (nonimmune)	x	x	x	x										<input checked="" type="checkbox"/>	antepartum testing has not been shown to improve outcomes, consider if 1) nonlethal etiology, 2) viable GA, 3) surveillance/delivery may improve outcome (eg: fetal arrhythmia, anemia, pleural effusion, CPAM, TTTS/TAPS)
Uterine/Placental issues															
Vasa previa														Consider inpt management 30-34 wks	
Placenta Previa															
KEY	NST= 1x wkly		NST= 2x wkly		x = US										Last updated 12/2020.