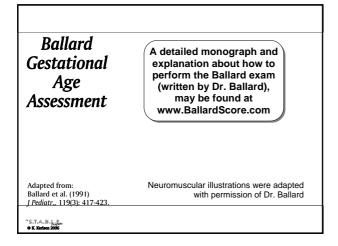
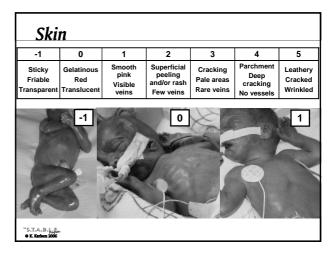


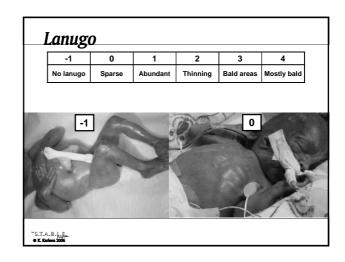
				Physic	al Maturity			
		-4	0	- 1	2	3	4	5
D11	Skin	Sticky Friable Transparent	Gelatinous Red Translucent	Smooth pink Visible veins	Superficial peeling and/or rash Few veins	Cracking Pale areas Rare veins	Parchment Deep cracking No vessels	Leathery Cracked Wrinkled
Ballard	Lanugo	No tanugo	Sparse lanugo	Abundant lanugo	Thinning Lanuge	Bald Areas	Mostly bald	
Gestational	Plantar surface	Heef- toe 40-50 mm < 40 = -2	Heel- toe > 50 mm No crease	Faint red marks	Anterior transverse crease only	Creases anterior 2/3	Creases over entire sole	
	Breast	Imperceptible	Barely perceptible	Flat areola no bud	Stippled areola 1-2 mm bud	Raised areola 3-4 mm bud	Full areota 5-10 mm bud	
Age	Eyes / ears	Lids fused: Loosely: -1 Tightly: -2	Lids open Pinna flat Stays folded	Slightly curved pinna Soft slow recoil	Well-curved pinna Soft but ready recoil	Formed and firm Instant recoil	Thick cartilage Ear stiff	
Assessment	Male Genitals	Scrotum flat, amouth	Scrotum empty Faint rugae	Testes in upper canal Rare rugae	Testes descending Few rugae	Testes down Good rugae	Testes pendulous Deep rugae	
1 2000001110110	Female Genitals	Clitoris prominent Labia flat	Prominent clitoris Small labia minora	Prominent clitoria Entarging minora	Majora and minora equally prominent	Majora large Minora small	Majora cover clitoria and minora	
				Neuromusi	cular Maturity			
	Posture		∞≎≍	∞≡	¢€	۶Ţ.	ΦΣ ,	
	Square window (wrist)	۴	r	<u>Ĺ</u>	_	1	1	
	Arm recoil		එ	₽	-6-	P	₩	
Adapted from: Ballard et al. (1991)	Popliteal angle	8	රිර	8	Š	3	જે	જે
J Pediatr., 119(3): 417-423.	Scarf sign	-8	→8~	→8	→&	-8		
*S.T.A.B.L.E • K. Karleen 2006	Heel to ear	(e)	8	(ED)	150	o₽/	જે\	

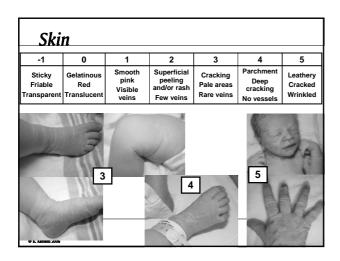
Вс	allard	Exan	n • Pł	ıysica	l Mat	urity	
	-1	0	1	2	3	4	5
Skin	Sticky Friable Transparent	Gelatinous Red Translucent	Smooth pink Visible veins	Superficial peeling and/or rash Few veins	Cracking Pale areas Rare veins	Parchment Deep cracking No vessels	Leathery Cracked Wrinkled
Lanugo	No lanugo	Sparse lanugo	Abundant lanugo	Thinning Lanugo	Bald areas	Mostly bald	
Plantar surface	Heel- toe 40-50 mm <40 = -2	Heel- toe > 50 mm No crease	Faint red marks	Anterior transverse crease only	Creases anterior 2/3	Creases over entire sole	
Breast	lm- perceptible	Barely perceptible	Flat areola no bud	Stippled areola 1-2 mm bud	Raised areola 3-4 mm bud	Full areola 5-10 mm bud	
Eyes / ears	Lids fused: Loosely: -1 Tightly: -2	Lids open Pinna flat Stays folded	Slightly curved pinna Soft slow recoil	Well-curved pinna Soft but ready recoil	Formed and firm Instant recoil	Thick cartilage Ear stiff	
Male Genitals	Scrotum flat, smooth	Scrotum empty Faint rugae	Testes in upper canal Rare rugae	Testes descending Few rugae	Testes down Good rugae	Testes pendulous Deep rugae	
Female Genitals	Clitoris prominent Labia flat	Prominent clitoris Small labia minora	Prominent clitoris Enlarging minora	Majora and minora equally prominent	Majora large Minora small	Majora cover clitoris and minora	

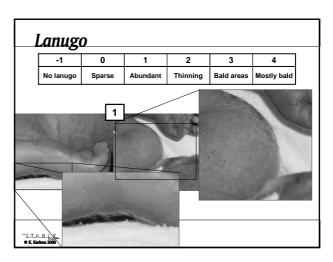




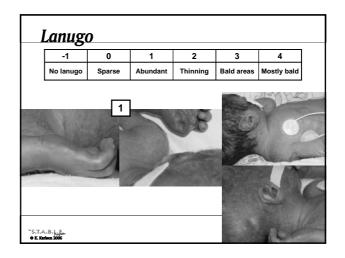
-1	0	1	2	3	4	5
Sticky Friable Transparent	Gelatinous Red Translucent	Smooth pink Visible veins	Superficial peeling and/or rash Few veins	Cracking Pale areas Rare veins	Parchment Deep cracking No vessels	Leathery Cracked Wrinkled
	150	2	To do	100		
		1/6	-	Y // a	Exa	
	10			14 6	3.50	3
		100000				

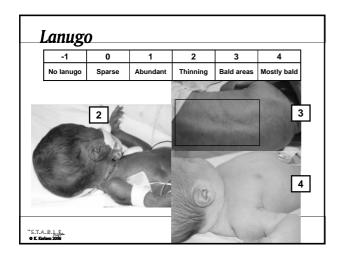


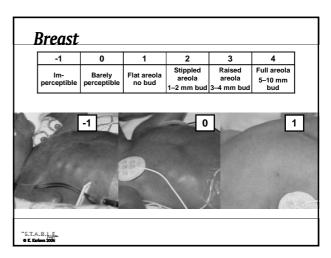


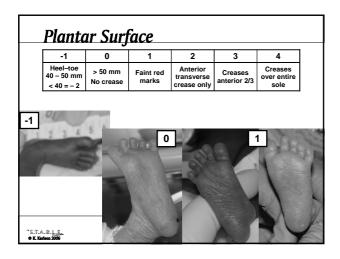


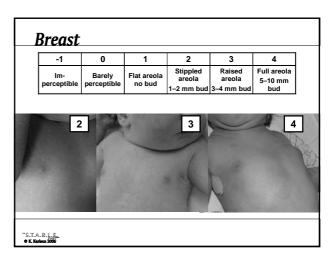
-1	0	1	2	3	4
No lanugo	Sparse	Abundant	Thinning	Bald areas	Mostly bald
■ With ind	creasing o er back a	rea thins f	first		•
	i areas ap tly bald b	pear over y term	r lumbo-sa	acral area	ļ
		tion may v	vary with i		status,

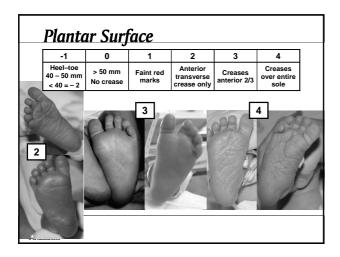


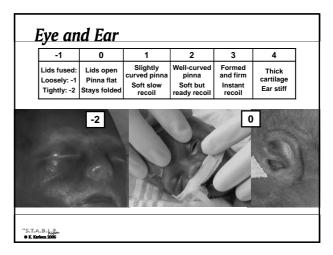


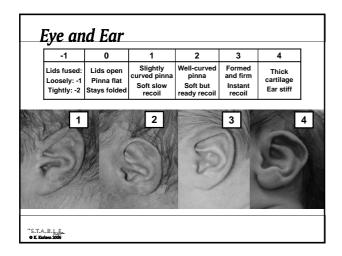


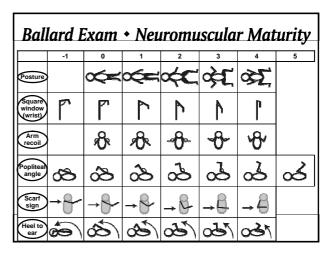


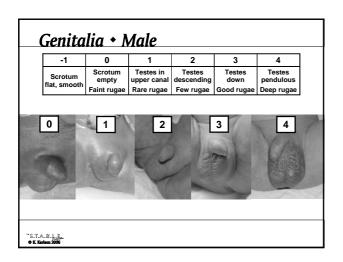


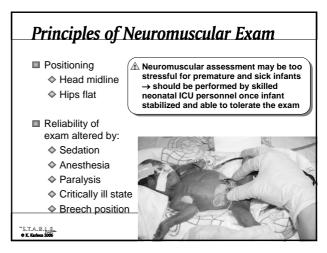


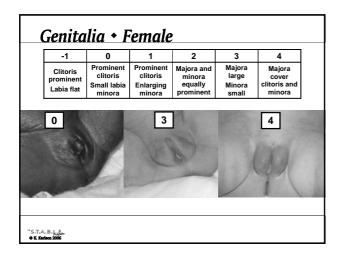


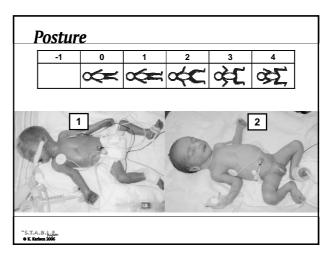


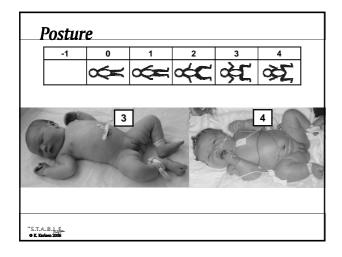


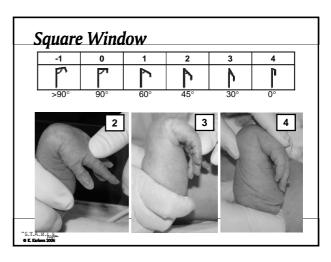


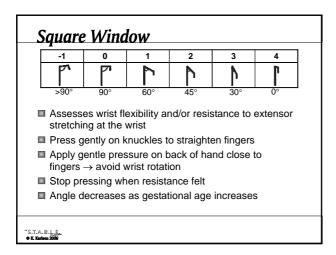


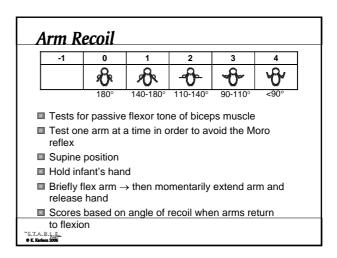


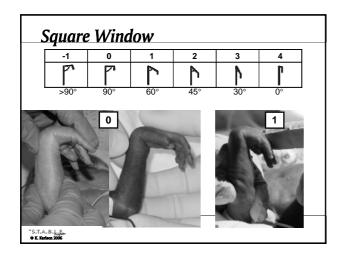


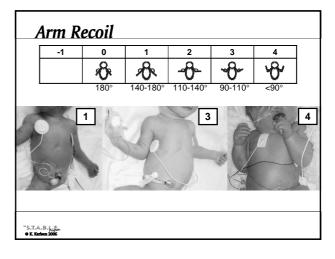










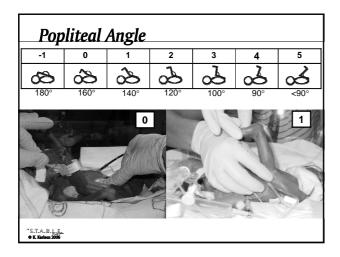


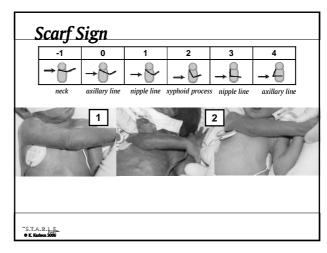
The S.T.A.B.L.E. Program: $\ensuremath{\mathsf{GA}}$

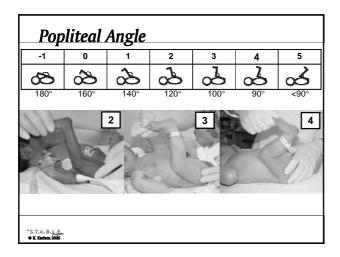
Assessment

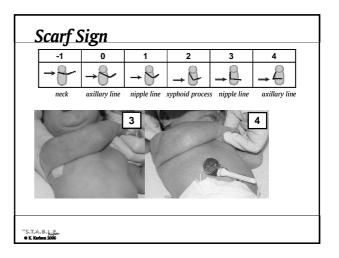
Рор	liteal	Angle				
-1	0	1	2	3	4	5
රව	8	É	g	တ်	જુ	જ
180°	160°	140°	120°	100°	90°	<90°
kne Re bei Thi Alle Exi	ee joint frain from ing tested igh placed ow infant tend leg u timate and	touching) during n d in knee- to relax, ti ntil resista	chest pos hen grasp ance is fel d the knee	gs (the mu ition with a foot at si lt	uscle grou knee fully des	пр
"S.T.A.B.L.F. • K. Karleen 2006	asureme	nt unrelial	ole if frank	breech ii	n utero	

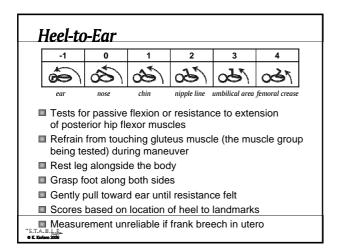
-1	0	1	2	3	4		
→8	→ 8	→8	→&	→0	→		
neck	axillary line	nipple line	xyphoid proces	s nipple line	axillary line		
flexor m Supine Hold inf	position want's hand	d across o	chest and		b of other		
	gently pu						
Or, gen	tly pull arr	n across	chest (show	n in photos)			
Stop when resistance is felt							
■ Scores based on position of elbow at landmarks							



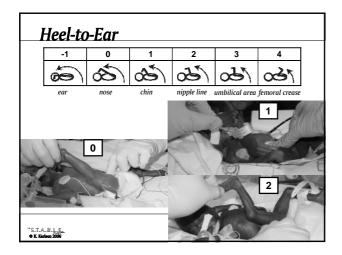




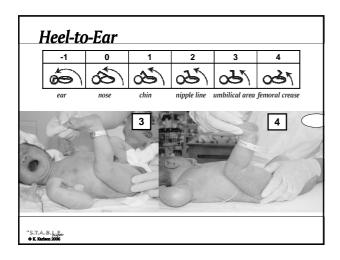




				Physica	al Maturity			
Gestational		-4	0	1	1	3	4	5
	Skin	Sticky Friable Transparent	Gelatinous Red Translucent	Smooth pink Visible veins	Superficial peeting and/or rash few yeins	Cracking Pale areas Rare veins	Parchment Deep cracking No vessels	Leathe Cracks Wrinks
Age	Lanugo	No lanugo	Sparae lanugo	Abundant lanugo	(Thinning Lanugo	Bald Areas	Mostly bald	
valuation	Plantar surface	Heel- toe 40-50 mm < 40 s -2	> 50 mm No crease	Faint red marks	Ameritor transverse	Creases anterior 2/3	Creases over entire sole	
	Breast	Im-perceptible	Barely perceptible	Flat areola no bud	Stippled areola 1-2 mm bud	Raised areola 3-4 mm bud	Full areola 5-10 mm bud	1
■ Sum scores	Eyes / ears	Lids fused: Loosely: -1 Tightly: -2	Lids open Pinns flat Stays folded	Slightly curved pinns oft slow recoil	Wen coved pinns Soft but ready	Formed and firm Instant recoil	Thick cartilage Ear stiff	
	Male Genitals	Scrotum flat, smooth	Scrotum empty Faint rugae	Testes in upper canal Rare rugae	Testes descending Few rugae	Testes down Good rugae	Testes pendulous Deep rugae	₄
	Female Genitals	Clitoris prominent Labia flat	Prominent clitoris Small labia minora	Prominent clitoria Enlarging minora	Majora and minora equally prominent	Majora large Minora small	Majora cover citoris and minora	_1
				Neuromuso	ular Maturity			
	Posture		8	¥	¥	¥	ΦΣ ,	
	Square window (wrist)	٤_	1	4	Θ	_	ין	
	Arm recoil		8	\$	4	(-)	ጭ	
10 + 15 = 25	Popliteal angle	හි	8	\$	જે	Θ	જે	රේ
	Scarf sign	-8-	→	→		→-	→ê	
B. L. E	Heel to ear	8	8	8	(35)	\g	7€0	1



Gestational	Score	Wks	
	-10	20	
Age	-5	22	
Evaluation	0	24	
Sum scores	5	26	
 Neuromuscular 	10	28	
Physical maturity	15	30	
■ Total score correlates to	20	32	
weeks gestation	25 ⊏	34)	
	30	36	
	35	38	
	40	40	
10 + 15 = 25	45	42	
	50	44	
"S.T.A.B.L., Ess. • K. Karlsen 2005			•



A detailed monograph and explanation about how to perform the Ballard exam (written by Dr. Ballard), may be found at www.BallardScore.com