Supplemental Table 1: Summary Scales of the NICU Network Neurobehavioral Scale (NNNS)										
Summary Scale Name	Description	Scoring Range								
Habituation	Habituation is a measure of the infants response to repeated presentations of a rattle and a bell (auditory) as well as a light (visual) stimulus while asleep; high scores indicate faster rates of habituation to stimuli while maintaining a sleep state.									
Attention (Orientation)	Attnetion is a measure of the infant's ability to localize and track auditory (examiner voice, rattle sound) and visual (examiner face, rattle, ball) stimuli while in a sustained quiet alert state; high scores indicate appropriate and sustained alertness to simuli.	1-9								
Handling	Mean number of maneuvers needed to keep the infant alert and calm during orientation; scores closer to 1 indicate more help from the examiner was needed to maintain a quiet alert state during orientation.	0-1								
Quality Movement	Quality of Movements is a measure of the infant's motor quality including smoothness, maturity, modulation of movement of the arms and legs as well as startles and tremors; high scores indicate good motor control	1-9								
Self Regulation	Self-regulation is a measure of the infant's responses in motor activity, physiology, and state in response to the demands of the NNNS exam and examiners attempt to console when crying; higher scores indicate better regulation.	1-9								
Non-Optimal Reflexes	Non-Optimal reflexes represents the total number of non-optimal reflex responses elicited	0-15								
Stress/Abstinence Signs	Stress-Abstinence Signs represents that mean number of stress/abstinence signs displayed by the infant across five organ systems (autonomic, physiologic, gastrointestinal, skin, and central-nervous system); a score closer to 1 indicates a high number of observed stress/abstinence signs.	0-1								
Cental Nervous System Stress-Abstinence Signs	CNS Stress-Abstinence Signs represents the mean number of central nervous system related stress/abstinence signs displayed by the infant, including startles, tremors, backarching, and abnormal posturing; a score closer to 1 indicates a high number of observed CNS stress/abstinence signs. This summary score was used separately due to the high degree of applicability of potential effects of SRI medications.	0-1								
Arousal	This is the level of arousal and associated motor activity during the NNNS exam; high scores indicate high arousal, activity, and fussing and crying during the exam.	1-9								
Hypertonia	Hypertonia is the mean number of items in which the infant's response was characterized by high muscle tone (rigidity or lack of relaxation at rest) in the arms, legs, and/or trunk.	0-10								
Hypotonia	Hypotonia is the mean number of items in which the infant's response was characterized by decreased muscle tone (limp, flaccid, or weak) in the arms, legs, and/or trunk.	0-10								
Asymmetrical Reflexes	This is the total number of asymmetric responses to elicited reflexes	0-16								
Excitability	Excitability is a measure of high levels of motor, state and physiological reactivity; high scores reflect infant irritability and high reactivity to stimuli and handling.	0-15								
Lethargy	Lethargy is a measure of low levels of motor, state and physiological reactivity; high scores reflect an infant who is sleepy and/or has low reactivity to stimuli and handling.	0-15								

Supplemental Table 2. Model-Estimated Means and Standard Errors of Significant NNNS Subscale Scores Over the First Month by Early vs Late SRI Exposure Group (N=63)

	LATE SRI EXP		EARLY SRI EXP		GROUP		GROUP * DAYS	
Variable	DF	M (SE)	DF	M (SE)	F	p<	F	p<
Arousal	81	4.05 (0.08)	75	4.13 (0.18)	0.16	0.69	2.34	0.06
Attention	72	4.61 (0.11)	77	5.18 (0.23)	5.30	0.02	0.24	0.92
CNS Stress	75	0.23 (0.01)	79	0.22 (0.03)	0.06	0.81	0.40	0.81
Habituation	17	6.96 (0.27)	135	7.05 (0.67)	0.02	0.89	1.09	0.48
Handling	79	0.37 (0.03)	83	0.35 (0.06)	0.15	0.70	1.33	0.26
Hypotonicity	129	0.54 (0.06)	103	0.33 (0.13)	2.20	0.14	0.55	0.70
Quality of Movement	53	4.01 (0.06)	59	4.10 (0.13)	0.38	0.54	0.18	0.95
Self Regulation	90	5.25 (0.10)	108	5.38 (0.22)	0.27	0.60	1.55	0.19

Supplemental Figure. NNNS scores over days from birth for infants with exposure to SRIs Early (last reported dose before Week 35) versus Late (through delivery) in gestation.















