Supplemental Information

SUPPLEMENTAL FIGURE 1. Summary of Down syndrome-specific care.

Acti	on	Pre- natal	Birth up to 1 mo	1 mo up to 1 yr	1 yr up to 5 yr	5 yr up to 12 yr	12 yr up to 21 yr
1.	Confirm DS diagnosis with either CVS or amniocentesis prenatally or karyotype postnatally						
2.	Review recurrence risk and offer the family referral to a clinical						
	geneticist or genetic counselor.				<u> </u>		
3.	Offer parent-to-parent and support group information to the family.						
4.	Use CDC DS-specific growth charts to monitor weight, length,		All healthcare	visits			
	weight-for-length, head circumference, or BMI. Use standard charts						
5.	for BMI after age 10 years. Order an echo, to be read by a pediatric cardiologist.						
6	Feeding assessment or video study if any: marked hypotonia,		Any visit				
	underweight (<5th %ile weight-for-length or BMI), slow feeding or		Ally visit				
	choking with feeds, recurrent or persistent abnormal respiratory						
	symptoms, desaturations with feeds						
7.	Obtain objective hearing assessment (may be in NBS protocols)			Up to 6 mo			
	and follow EHDI protocols.						
8.	If TM can't be visualized, refer to otolaryngologist for exam with		Every 3-6	ll .			
	microscope until reliable TM and tympanometry exams are possible		mo	II			
	Car safety seat evaluation before hospital discharge. CBC with differential		Du day 2	μ			
	If TAM, make caregivers aware of risk/signs of leukemia (e.g., easy		By day 3				
11.	bruising/bleeding, recurrent fevers, bone pain)						
12.	TSH		At birth (if	Every 5-7 mo	Annually, and every	6 mo if antithyroid ant	ibodies ever detected
			not in NBS)	2101, 011110	,aay, aa 0.0y	o mo mamany rota am	
13.	RSV prophylaxis based on AAP guidelines.		Annually		Through 2 yr		
14.	Discuss cervical spine-positioning for procedures and atlantoaxial		All HMV		Biennially		
	stability precautions.						
	Assess for CAM use, discourage any unsafe CAM practices.		All HMV				
16.	Refer children to early intervention for speech, fine motor or gross		Any visit	Up to 3 yr			
47	motor therapy.			\A/l	After treatment		
17.	If middle ear disease occurs, obtain developmentally-appropriate hearing evaluation.			When ear clear	Alter treatment		
18	Rescreen hearing with developmentally-appropriate methodology		Start at 6mo, every 6 mo until established normal bilaterally by ear-specific testing,				
10.	(BAER, behavioral, ear-specific).			then annually			
19.	Refer to ophthalmologist with experience and expertise in children			By 6 mo			
	with disabilities.			, i			
20.	CBC with differential if easy bruising or bleeding, recurrent fevers, or bone pain			Any visit			
21	Assess for sleep-disordered breathing; if present, refer to physician			At least once by 6 mo, then all subsequent HMV thereafter			
	with expertise in pediatric sleep disorders.			7 tt loudt office by	o mo, mon an oabooq	dont i iii v tiloroditor	
22.	Ensure child is receiving developmental therapies, and family		All HMV	1			
	understands and is following therapy plan at home.						
23.	CBC with differential and either (1) a combination of ferritin and				Annually		
	CRP, or (2) a combination of serum iron and Total Iron Binding						
0.4	Capacity				A		
24.	If a child has sleep problems and a ferritin less than 50 mcg/L, the pediatrician may prescribe iron supplement.				Any visit		
25	Vision screening			All HMV, use	Photoscreen (all	Photoscreen (all	Visual acuity or
20.	Vision sorcerning			developmental	HMV); if unable,	HMV); if unable,	photoscreening at a
				ly-appropriate	refer to	refer to	HMV, or
				criteria	ophthalmologist	ophthalmologist	ophthalmology-
					annually	biennially	determined schedule
26.	If a child has myelopathic symptoms, obtain neutral C-spine plain films (see text for details).				Any visit		
27	Obtain polysomnogram.	-	+		Between 3-5 yr		1
	Prepare family for transition from early intervention to preschool.		1		At 30 mo		
	Discuss sexual exploitation risks.		1		At least once	At least once	At least once
	Make developmentally-appropriate plans for menarche,						y-appropriate, then all
	contraception (advocate/offer LARC), and STI prevention.					subsequent HMV	
	Discuss risk of DS if patient were to become pregnant.					At least once	At least once
	Assess for any developmental regression.			All HMV			
	Discuss and facilitate transitions: education, work, finance,					All HMV starting at	10 yr
33.	guardianship, medical care, independent living				1		

Do once at this age	Abbreviations: DS, Down syndrome; CVS, Chorionic villus sampling; HMV, Health Maintenance Visit; BMI,			
Do if not done previously	Body mass index; CDC, Centers for Disease Control; EHDI, Early Hearing Detection and Intervention; NBS,			
Repeat at indicated intervals	Newborn screen; CAM, Complementary and alternative medicine; BAER, Brainstem auditory evoked			
(border) See report for end point	response; TM, Tympanic membrane; TAM: transient abnormal myelopoiesis			