In-Clinic Guide to Medical Management of Pediatric Overweight and Obesity⁴

Overweight and Obesity	Dyslipidemia ²		
WeightHeight	First Screen (fasting lipid profile): Recommended when child is between 2 and 10 y.o. with 1 of the following: FHx Risk (in 1 ST or 2 ND degree relative) • Dyslipidemia (Tchol >240mg/dL) • CV event before 55 y.o. (men), 65 y.o. (women) • Unknown FHx Patient Risk • BMI ≥85 th percentile • Diabetes • HTN (Stage 1 or greater) • PCOS • Tobacco use If normal, repeat every 3-5 years Intervention • LDL <110 mg/dL is ideal • Lifestyle intervention includes diet, exercise, weight management • Consider medication if ≥ 8 y.o. and LDL is: ≥ 190 mg/dL, or ≥ 160 mg/dL with 2 risk factors or FHx of early CVD ≥ 130 mg/dL with diabetes • For high triglycerides or low HDL: Weight management and exercise • Isolated fasting triglycerides >400 mg/dL: Begin medication		
Assessment and Interventions Assess dietary and activity habits Use an encounter form to assess readiness to change and make goals Use Motivational Interviewing approach Ask permission to discuss weight Practice reflective listening Identify "change talk" Affirm feelings and positions Summarize stated plan	Evidence-Based Interventions Assist patient to select specific lifestyle change goal: KEY MESSAGES: 7: Eat breakfast 7 days a week 5: Eat 5 fruits and vegetables every day 2: Screen time (TV, video, computer) is no more than 2 hours per day 1: Exercise at least 1 hour every day 0: No sweetened drinks		

The International Expert Committee (2009). International expert committee report on the role of the A1C assay in the diagnosis of diabetes, *Diabetes Care*, *32*(7). 1-8. doi: 10.2337/dc09-903 Krebs, N. F., Himes J.H., Jacobson D., Nicklas T.A Guilday P., & Styne, D. (2007). Assessment of child and adolescent overweight and obesity. Pediatrics, 120; S193-S228. doi: 10.1542/peds.2007-2329D.





American Diabetes Association (2002). Screening for diabetes. Diabetes Care, 25(s1). s 21-s24. doi: 10.2337/diacare.25.2007.S21

Daniels S.R. & Greer, F.R. (2008). Lipid screening and cardiovascular health in childhood. *Pediatrics*, 122(1), 198-205. doi: 10.1542/peds.2008-1349.

5. Hypertension Work I In 1 (using appropriate size cuff at heart level on a calm child)

			Pre-Hypertension		Stage 1 HTN	Stage 2 HTN
Definition	BPs on 3 different occasions systolic OR diastolic		≥90 th % - <95 th %		95 th % - 5mm Hg above 99 th	5mm Hg above 99 th %
Evaluation UA / UC					✓	✓
	BUN/CR, lytes				✓	✓
	CBC				✓	✓
	Renal ultrasound				✓	✓
	ECHO cardiogram				✓	✓
	Retinal exam (referral)				✓	✓
	Further imaging and labs					Refer to Peds HTN w/in 2 wks Immediately, if symptomatic
Lifestyle Modifications	Weight loss, if indicated			✓	✓	✓
	Exercise, 30-60 mins/d		✓		✓	✓
	Decrease sedentary activities		✓		✓	✓
	DASH diet		√		www.nhlbi.nih.gov/health/public/heart/ldash/new_dash.pdf	hbp/ ✓
	Tobacco cessation			✓	✓	✓
Medications IF	(Refer as needed)		Existing co-morbidities (diabetes, chronic renal or cardiac disease)		 End organ damage HTN is secondary Symptomatic Diabetes, type 1 or 2 Persistent despite 6 mo lifestyle modification 	Always of
Follow- up	In 6 r		In 6 mont	hs	Regularly/Refer if meds required	Frequently until stabilized
			Poly	cystic Ovary Syndro	me (PCOS) ²	•
Definition: Persistent anovulation Lab or clinical evidence of hyperandrogenism History: Menses FHx of PCOS Premature adrenarche Rapidity of onset of androgenic changes Hirsutism Physical Exam: Clitrormegally Virilization Premature adrenare menarchal		arche if pre-	Evaluation: TSH, Prolactin, Pregnancy test Lipid profile, fasting If amenorrheic: Provera challenge (10 mg Provera qd x 10d) +/- Total testosterone +/- DHEA-S +/- 17-OH progesterone, 8am and fasting If sxs of Cushing's: dexamethasone suppression test If obesity/acanthosis: fasting and/or 2 hr glucose as in obesity protocol		Treatment: Weight loss, if indicated Estrogen/progesterone combo (OCP, patch, ring) Consider metformin Refer for severe or recalcitrant hirsutism	

Hirsutism – any depilatory measures

 The Fourth Report on the Diagnosis, Evaluation, and Treatment of High Blood Pressure in Children and Adolescents: Pediatrics Vol. 114 No. 2 August 2004, pp. 555-576

 Speroff and Fritz, 2005; AACE. *Endocrin Pract*. 2005



