

Assessment of ASO patient lipid profile					
Measure Description: Proportion of Arterial Switch Operation (ASO) patients, with documentation of a fasting lipid profile by age 11					
Numerator	Number of patients with at least one documented fasting lipid profile between the ages of 2 and 11 years.				
Denominator	Number of ASO patients, ages 11-15 years, who had an outpatient cardiology clinic visit during the measurement period.				
Denominator Exclusions	Patients who refused the lipid profile.				
Denominator Exceptions	None				
Definitions/Notes	None				
Measurement Period	Quarterly				
Sources of Data	Medical Record				
Attribution	This measure should be reported by the departmental quality manager.				
Care Setting	Outpatient				
Rationale					
Patients after ASO are at high risk of acquired cardiovascular disease.					
<ol style="list-style-type: none"> 1. Expert Panel on Integrated Guidelines for Cardiovascular Health and Risk Reduction in Children and Adolescents; National Heart, Lung, and Blood Institute. Expert panel on integrated guidelines for cardiovascular health and risk reduction in children and adolescents: summary report. Pediatrics. 2011 Dec;128 Suppl 5:S213-56. 2. Pasquali SK, Marino BS, Powell DJ, McBride MG, Paridon SM, Meyers KE, Mohler ER, Walker SA, Kren S, Cohen MS. Following the arterial switch operation, obese children have risk factors for early cardiovascular disease. Congenit Heart Dis. 2010 Jan-Feb;5(1):16-24. 					
Clinical Recommendation(s)					
<u>ACC/AHA Guidelines</u> <p>Other guidelines: Expert Panel on Integrated Guidelines for Cardiovascular Health... Pediatrics Dec 2011</p> <table border="1"> <tr> <td>9 to 11 years</td> <td> Universal Screening Non-FLP: Calculate non-HDL Cholesterol: Non-HDL cholesterol = TC – HDL cholesterol If non-HDL \geq 145 mg/dL \pm HDL < 40 mg/dL^b: Obtain FLP twice, average results OR FLP: If LDL cholesterol \geq 130 mg/dL \pm non-HDL cholesterol \geq 145 mg/dL \pm HDL cholesterol < 40 mg/dL \pm triglycerides \geq 100 mg/dL If < 10 y, \geq 130 mg/dL if \geq 10 y: Repeat FLP, average results </td> <td>Grade B Strongly recommend</td> </tr> </table>			9 to 11 years	Universal Screening Non-FLP: Calculate non-HDL Cholesterol: Non-HDL cholesterol = TC – HDL cholesterol If non-HDL \geq 145 mg/dL \pm HDL < 40 mg/dL ^b : Obtain FLP twice, average results OR FLP: If LDL cholesterol \geq 130 mg/dL \pm non-HDL cholesterol \geq 145 mg/dL \pm HDL cholesterol < 40 mg/dL \pm triglycerides \geq 100 mg/dL If < 10 y, \geq 130 mg/dL if \geq 10 y: Repeat FLP, average results	Grade B Strongly recommend
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Challenges to Implementation		
None		
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