**Supplemental Digital Content 1**

**Search String Motor Development After Cardiac Surgery In Children With CHD**

**PubMed (211 results)**

(("Aortic Coarctation"[Mesh] OR "Norwood Procedures"[Mesh] OR "Hypoplastic Left Heart Syndrome"[Mesh] OR "Tetralogy of Fallot"[Mesh] OR "Transposition of Great Vessels"[Mesh] OR "Arterial Switch Operation"[Mesh] OR "Heart Bypass, Right"[Mesh] OR Congenital Heart Disease\*[Title/Abstract] OR Congenital Heart Defect\*[Title/Abstract] OR Single Ventricle[Title/Abstract] OR Fontan Operation\*[Title/Abstract] OR Norwood Procedure\*[Title/Abstract] OR Right Heart Bypass[Title/Abstract] OR Arterial Switch Operation[Title/Abstract] OR Hypoplastic Left Heart Syndrome[Title/Abstract] OR Hypoplastic left-sided heart complex[Title/Abstract] OR Left Heart Hypoplasia Syndrome[Title/Abstract] OR Hypoplastic Right Heart Syndrome[Title/Abstract] OR Hypoplastic right-sided heart complex[Title/Abstract] OR Right Heart Hypoplasia Syndrome[Title/Abstract] OR Great Vessels Transposition\*[Title/Abstract] OR Dextro Looped Transposition of the Great Arteries[Title/Abstract] OR Transposition of Great Arteries[Title/Abstract] OR Great Arteries Transposition\*[Title/Abstract] OR Congenitally corrected transposition of the great vessel\*[Title/Abstract] OR Congenitally corrected transposition of the great arter\*[Title/Abstract] OR Fallot's Tetralogy[Title/Abstract] OR Fallot\* Tetralogy[Title/Abstract] OR Aortic Coarctation\*[Title/Abstract] OR Coarctation of the Aorta[Title/Abstract] OR Coarctation of Aorta[Title/Abstract] OR Coarctation of Aorta Dominant[Title/Abstract] OR Aorta Dominant Coarctation\*[Title/Abstract] OR Cardiac Surgery[Title/Abstract]) AND ("Motor Skills"[Mesh] OR "Motor Skills Disorders"[Mesh] OR "Neurodevelopmental Disorders"[Mesh] OR "Developmental Disabilities"[Mesh] OR "Child Development Disorders, Pervasive"[Mesh] OR "Child Development"[Mesh] OR "Psychomotor Disorders"[Mesh] OR "Psychomotor Performance"[Mesh] OR Motor Skill\*[Title/Abstract] OR Motor Development\*[Title/Abstract] OR Child Development\*[Title/Abstract] OR Infant Development\*[Title/Abstract] OR Motor Skill\* Disorder\*[Title/Abstract] OR Development\* Coordination Disorder\*[Title/Abstract] OR Developmental Disability\*[Title/Abstract] OR Child Development\* Disorder\*[Title/Abstract] OR Specific Child Development\* Disorder\*[Title/Abstract] OR Development\* Delay Disorder\*[Title/Abstract] OR Child Development\* Deviation\*[Title/Abstract] OR Development\* Psychomotor Disorder\*[Title/Abstract] OR Psychomotor Impairment\*[Title/Abstract] OR Neurodevelopmental Delay\*[Title/Abstract] OR Neurodevelopmental Disorder\*[Title/Abstract] OR Neurodevelopmental Deviation\*[Title/Abstract] OR Neurodevelopmental Impairment\*[Title/Abstract] OR Neurodevelopmental Outcome\*[Title/Abstract]))

**Web of Science (139 results)**

(TI=((hypoplastic AND left AND heart AND syndrome) OR (hypoplastic AND right AND heart AND syndrome) OR (hypoplastic AND right AND heart AND ventricle) OR (heart AND single AND ventricle) OR (Fontan) OR (great AND vessels AND transposition) OR (congenitally AND corrected AND transposition) OR (fallot\* AND tetralogy) OR (aortic AND coarctation) OR (congenital AND heart AND disease) OR (congenital AND heart AND defect))) AND (TI=(''child AND development AND disorder'' OR ''motor AND skills AND disorder'' OR ''motor AND skill\*'' OR ''psychomotor AND disorder'' OR ''motor AND performance'' OR ''motor AND development'' OR ''child AND development'' OR ''developmental AND coordination AND disorder\*'' OR ''developmental AND competence'' OR ''developmental AND disorder\*'' OR ''development AND delay'' OR ''psychomotor AND disorder'' OR ''neurodevelopment\*''))

Filter: Article

**CINAHL (34 results)**

(MH "Aortic Coarctation") OR (MH "Norwood Procedures") OR (MH "Hypoplastic Left Heart Syndrome") OR (MH "Tetralogy of Fallot") OR (MH "Transposition of Great Vessels") OR (MH "Arterial Switch Operation") OR (MH "Heart Bypass, Right") OR (TI "Congenital Heart Disease") OR (TI "Congenital Heart Defect") OR (TI "Single Ventricle") OR (TI "Fontan Operation") OR (TI "Norwood Procedure") OR (TI "Right Heart Bypass") OR (TI "Arterial Switch Operation") OR (TI "Hypoplastic Left Heart Syndrome") OR (TI "Hypoplastic left-sided heart complex") OR (TI "Left Heart Hypoplasia Syndrome") OR (TI "Hypoplastic Right Heart Syndrome") OR (TI "Hypoplastic right-sided heart complex") OR (TI "Right Heart Hypoplasia Syndrome") OR (TI "Great Vessels Transposition") OR (TI "Dextro Looped Transposition of the Great Arteries") OR (TI "Transposition of Great Arteries") OR (TI "Great Arteries Transposition") OR (TI "Congenitally corrected transposition of the great vessels") OR (TI Fallot's Tetralogy") OR (TI "Fallot Tetralogy") OR (TI "Aortic Coarctation") OR (TI "Coarctation of the Aorta") OR (TI "Coarctation of Aorta") OR (TI "Coarctation of Aorta Dominant") OR (TI "Aorta Dominant Coarctation") OR (TI "Cardiac Surgery") AND

(MH "Motor Skills") OR (MH "Motor Skills Disorders") OR (MH "Neurodevelopmental Disorders") OR (MH "Developmental Disabilities") OR (MH "Child Development Disorders, Pervasive") OR (MH "Child Development") OR (MH "Psychomotor Disorders") OR (MH "Psychomotor Performance") OR (TI "Motor Skill" OR (TI "Motor Development") OR (TI "Child Development") OR (TI "Infant Development") OR (TI "Motor Skill Disorder") OR (TI "Development Coordination Disorder") OR (TI "Developmental Disability") OR (TI "Child Development Disorder") OR (TI "Specific Child Development Disorder") OR (TI "Development Delay Disorder") OR (TI "Child Development Deviation") OR (TI "Development Psychomotor Disorder") OR (TI "Psychomotor Impairment") OR (TI "Neurodevelopmental Delay) OR (TI "Neurodevelopmental Disorder") OR (TI "Neurodevelopmental Deviation") OR (TI "Neurodevelopmental Impairment") OR (TI "Neurodevelopmental Outcome")

**Embase (1010 results)**

('motor performance'/exp OR 'motor performance' OR 'psychomotor disorder'/exp OR 'psychomotor disorder' OR 'neurodevelopmental disorder'/exp OR 'neurodevelopmental disorder' OR 'neurodevelopmental impairment'/exp OR 'neurodevelopmental impairment' OR 'neurodevelopmental outcome'/exp OR 'neurodevelopmental outcome' OR 'neurodevelopmental delay'/exp OR 'neurodevelopmental delay' OR 'neurodevelopmental disability'/exp OR 'neurodevelopmental disability' OR 'child development'/exp OR 'child development' OR 'developmental disorder'/exp OR 'developmental disorder' OR 'psychomotor performance'/exp OR 'psychomotor performance' OR 'motor skill\*':ti,ab,kw OR 'motor development\*':ti,ab,kw OR 'child development\*':ti,ab,kw OR 'infant development\*':ti,ab,kw OR 'motor skill\* disorder\*':ti,ab,kw OR 'development\* coordination disorder\*':ti,ab,kw OR 'developmental disabilit\*':ti,ab,kw OR 'child development\* disorder\*':ti,ab,kw OR 'specific child development\* disorder\*':ti,ab,kw OR 'development\* delay disorder\*':ti,ab,kw OR 'child development\* deviation\*':ti,ab,kw OR 'development\* psychomotor disorder\*':ti,ab,kw OR 'psychomotor impairment\*':ti,ab,kw OR 'neurodevelopmental delay\*':ti,ab,kw OR 'neurodevelopmental disorder\*':ti,ab,kw OR 'neurodevelopmental deviation\*':ti,ab,kw OR 'neurodevelopmental impairment\*':ti,ab,kw OR 'neurodevelopmental outcome\*':ti,ab,kw) AND ('aortic coarctation'/exp OR 'aortic coarctation' OR 'norwood procedure'/exp OR 'norwood procedure' OR 'hypoplastic left heart syndrome'/exp OR 'hypoplastic left heart syndrome' OR 'hypoplastic right heart syndrome'/exp OR 'hypoplastic right heart syndrome' OR 'fallot tetralogy'/exp OR 'fallot tetralogy' OR 'great vessels transposition'/exp OR 'great vessels transposition' OR 'arterial switch operation'/exp OR 'arterial switch operation' OR 'extracorporeal circulation'/exp OR 'extracorporeal circulation' OR 'aortic coarctation surgery'/exp OR 'aortic coarctation surgery' OR 'congenital heart disease\*':ti,ab,kw OR 'congenital heart defect\*':ti,ab,kw OR 'single ventricle':ti,ab,kw OR 'fontan operation\*':ti,ab,kw OR 'norwood procedure\*':ti,ab,kw OR 'right heart bypass':ti,ab,kw OR 'arterial switch operation':ti,ab,kw OR 'hypoplastic left heart syndrome':ti,ab,kw OR 'hypoplastic left-sided heart complex':ti,ab,kw OR 'left heart hypoplasia syndrome':ti,ab,kw OR 'hypoplastic right heart syndrome':ti,ab,kw OR 'hypoplastic right-sided heart complex':ti,ab,kw OR 'right heart hypoplasia syndrome':ti,ab,kw OR 'great vessels transposition\*':ti,ab,kw OR 'dextro looped transposition of the great arteries':ti,ab,kw OR 'transposition of great arteries':ti,ab,kw OR 'great arteries transposition\*':ti,ab,kw OR 'congenitally corrected transposition of the great vessel\*':ti,ab,kw OR 'congenitally corrected transposition of the great arter\*':ti,ab,kw OR 'fallot\* tetralogy':ti,ab,kw OR 'aortic coarctation\*':ti,ab,kw OR 'coarctation of the aorta':ti,ab,kw OR 'coarctation of aorta':ti,ab,kw OR 'coarctation of aorta dominant':ti,ab,kw OR 'aorta dominant coarctation\*':ti,ab,kw OR 'cardiac surgery':ti,ab,kw) AND [embase]/lim AND 'article'/it AND ([adolescent]/lim OR [child]/lim OR [embryo]/lim OR [fetus]/lim OR [infant]/lim OR [newborn]/lim OR [preschool]/lim OR [school]/lim OR [young adult]/lim) .