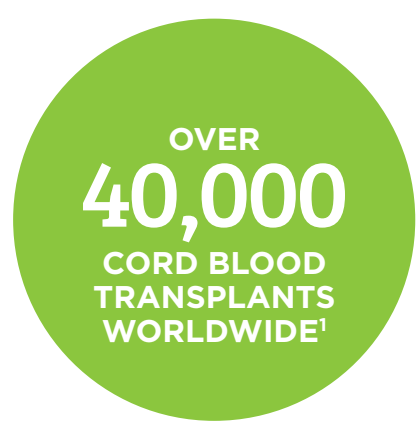


# CELL CARE GROUP RELEASES - FEBRUARY 2019

## TRANSPLANTATION

Umbilical cord blood has an important and growing role in the treatment of cancers (leukemias, lymphomas, multiple myeloma), blood disorders (thalassemias, sickle cell anemia, Fanconi anemia), immune deficiencies and other life-threatening diseases.



| CONDITION                      | RECIPIENT (GENDER/AGE) | DONOR   | CORD BLOOD COLLECTION SITE                 | CORD BLOOD TRANSPLANT SITE             | YEAR |
|--------------------------------|------------------------|---------|--|--|------|
| Acute Lymphoblastic Leukemia   | Male - 5 years         | Sibling | Monash Medical, VIC, AUS                   | Royal Melbourne Hospital, VIC, AUS     | 2016 |
| Acute Lymphoblastic Leukemia   | Female - 4 years       | Sibling | Credit Valley Hospital, ON, CAN            | Hospital for Sick Children, ON, CAN    | 2013 |
| Acute Lymphoblastic Leukemia   | Female - 5 years       | Sibling | London Health Science, ON, CAN             | Hospital for Sick Children, ON, CAN    | 2017 |
| Acute Lymphoblastic Leukemia   | Male - 10 years        | Sibling | Markham Stouffville Hospital, ON, CAN      | Hospital for Sick Children, ON, CAN    | 2012 |
| Acute Lymphoblastic Leukemia   | Male - 5 years         | Sibling | Joseph Brant Hospital, ON, CAN             | Hospital for Sick Children, ON, CAN    | 2005 |
| Acute Myeloid Leukemia         | Male - 1 year          | Self    | Self Sydney Adventist Hospital, NSW, AUS   | Children's Hospital Westmead, NSW, AUS | 2010 |
| Acute Myeloid Leukemia         | Male - 1.5 years       | Sibling | Sibling Hospital Montfort, ON, CAN         | Hospital for Sick Children, ON, CAN    | 2010 |
| Acute Myeloid Leukemia         | Female - 4 years       | Sibling | Trillium Hospital, ON, CAN                 | Hospital for Sick Children, ON, CAN    | 2010 |
| Acute Myeloid Leukemia         | Female - 2 years       | Sibling | Credit Valley Hospital, ON, CAN            | Hospital for Sick Children, ON, CAN    | 2008 |
| Acute Myeloid Leukemia         | Male - 6 years         | Sibling | Credit Valley Hospital, ON, CAN            | Hospital for Sick Children, ON, CAN    | 2007 |
| Alpha Thalassemia Major        | Male - 5 years         | Sibling | McMaster Health Centre, ON, CAN            | Hospital for Sick Children, ON, CAN    | 2013 |
| Beta Thalassemia               | Female - 11 years      | Sibling | St. Joseph's Healthcare Centre, ON, CAN    | Hospital for Sick Children, ON, CAN    | 2019 |
| Beta Thalassemia               | Male - 13 years        | Sibling | Scarborough General, ON, CAN               | Hospital for Sick Children, ON, CAN    | 2010 |
| Beta Thalassemia               | Female - 13 years      | Sibling | Toronto East General, ON, CAN              | Hospital for Sick Children, ON, CAN    | 2006 |
| Beta Thalassemia               | Male - 3 years         | Sibling | Toronto General, ON, CAN                   | Hospital for Sick Children, ON, CAN    | 1997 |
| Chronic Granulomatous Disease  | Male - 13 years        | Sibling | Rouge Valley Centennial, ON, CAN           | Hospital for Sick Children, ON, CAN    | 2010 |
| Chronic Granulomatous Disease  | Male - 4 years         | Sibling | Liverpool Public Hospital, NSW, AUS        | Children's Hospital Westmead, NSW, AUS | 2017 |
| Embryonal Supratentorial Tumor | Female - 2 years       | Self    | Credit Valley Hospital, ON, CAN            | Hospital for Sick Children, ON, CAN    | 2006 |
| Fanconi Anemia                 | Male - 9 years         | Sibling | St. Joseph's Health Centre, ON, CAN        | Hospital for Sick Children, ON, CAN    | 2004 |
| Leukemia                       | Female - 5 years       | Sibling | Ottawa Civic, ON, CAN                      | Hospital for Sick Children, ON, CAN    | 2003 |
| Leukemia                       | Male - 2 years         | Sibling | St. Joseph's Health Centre, ON, CAN        | Hospital for Sick Children, ON, CAN    | 2001 |
| Medulloblastoma                | Male - 4 years         | Self    | Markham Stouffville Hospital, ON, CAN      | Hospital for Sick Children, ON, CAN    | 2011 |
| Myeloid Dysplasia              | Male - 21 years        | Sibling | Jewish General, QC, CAN                    | Maisonneuve Rosemont, QC, CAN          | 2017 |
| Myeloid Dysplasia              | Male - 2.5 years       | Sibling | Greater Niagara General, ON, CAN           | Hospital for Sick Children, ON, CAN    | 2006 |
| Neuroblastoma                  | Male - 4 years         | Self    | Northern Hospital, VIC, AUS                | Royal Melbourne Hospital, VIC, AUS     | 2009 |
| Retinoblastoma                 | Male - 1 year          | Self    | Mount Sinai Hospital, ON, CAN              | Hospital for Sick Children, ON, CAN    | 2008 |
| Retinoblastoma                 | Male - 9 months        | Self    | Headwaters Healthcare Centre, ON, CAN      | Hospital for Sick Children, ON, CAN    | 2001 |
| Severe Congenital Neutropenia  | Female - 5 years       | Sibling | Sydney South West Private, NSW, AUS        | Children's Hospital Westmead, NSW, AUS | 2017 |
| Thalassemia Major              | Female - 9 years       | Sibling | Joan Kirner Women's & Children's, VIC, AUS | Royal Children's Hospital, VIC, AUS    | 2019 |
| X Linked Hyper IgM             | Male - 6 years         | Sibling | Mercy Hospital for Women, VIC, AUS         | Royal Children's Hospital, VIC, AUS    | 2019 |



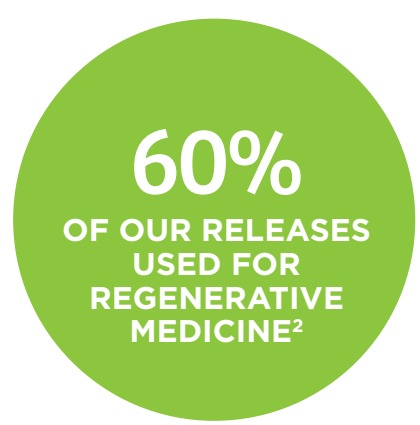
### RELEASES BY COMPANY



<sup>1</sup> Update on umbilical cord blood transplantation, Ballen K, (2017) [www.ncbi.nlm.nih.gov/pubmed/28928957](http://www.ncbi.nlm.nih.gov/pubmed/28928957)

# CORD BLOOD UNITS RELEASED FOR REGENERATIVE MEDICINE

Regenerative medicine is the science of living cells being used to potentially regenerate or facilitate the repair of cells damaged by disease, genetics and injury. Research and clinical trials are underway with the hope that cord blood stem cells may prove beneficial to patients facing medical conditions once thought untreatable such as autism, cerebral palsy and type 1 diabetes.



| CONDITION                  | RECIPIENT (GENDER/AGE) | DONOR   | CORD BLOOD COLLECTION SITE               | CORD BLOOD TRANSPLANT SITE              | YEAR |
|----------------------------|------------------------|---------|--|---|------|
| Autism                     | Male - 6 years         | Self    | Miramichi General Hospital, NB, CAN      | Duke University Medical Center, NC, USA | 2018 |
| Autism                     | Female - 3 years       | Self    | Self Trillium Hospital, ON, CAN          | Duke University Medical Center, NC, USA | 2018 |
| Autism                     | Male - 2 years         | Self    | Markham Stouffville Hospital, ON, CAN    | Duke University Medical Center, NC, USA | 2018 |
| Autism                     | Male - 2 years         | Self    | Rouge Valley Centennial, ON CAN          | Duke University Medical Center, NC, USA | 2018 |
| Autism                     | Male - 5 years         | Self    | Mount Sinai Hospital, ON CAN             | Duke University Medical Center, NC, USA | 2018 |
| Autism                     | Male - 3 years         | Self    | Scarborough Grace Hospital, ON, CAN      | Duke University Medical Centre, NC, USA | 2018 |
| Autism                     | Male - 3 years         | Self    | Scarborough Grace Hospital, ON, CAN      | Duke University Medical Centre, NC, USA | 2018 |
| Autism                     | Male - 3 years         | Sibling | St. Paul's Hospital, BC, CAN             | Duke University Medical Centre, NC, USA | 2018 |
| Autism                     | Male - 9 years         | Self    | Mount Sinai, ON, CAN                     | Duke University Medical Centre, NC, USA | 2018 |
| Brain Injury               | Male - 9 years         | Self    | Rockyview General, AB, CAN               | Duke University Medical Center, NC, USA | 2014 |
| Brain Injury               | Male - 11 years        | Self    | Langley Memorial, BC, CAN                | Duke University Medical Center, NC, USA | 2012 |
| Cerebral Palsy             | Female - 4 years       | Sibling | Mount Sinai, ON, CAN                     | Duke University Medical Centre, NC, USA | 2019 |
| Cerebral Palsy             | Female - 4 years       | Sibling | Sydney Adventist Hospital, NSW, AUS      | Royal Melbourne Hospital, VIC, AUS      | 2019 |
| Cerebral Palsy             | Female - 6 years       | Sibling | Royal Womens Hospital, VIC, AUS          | Duke University Medical Centre, NC, USA | 2019 |
| Cerebral Palsy             | Female - 6 years       | Sibling | King Edward Memorial, WA, AUS            | Royal Melbourne Hospital, VIC, AUS      | 2018 |
| Cerebral Palsy             | Male - 6 years         | Sibling | John Hunter, NSW, AUS                    | Royal Melbourne Hospital, VIC, AUS      | 2018 |
| Cerebral Palsy             | Male - 8 years         | Sibling | Monash Medical, VIC, AU                  | Royal Melbourne Hospital, VIC, AUS      | 2018 |
| Cerebral Palsy             | Male - 11 years        | Sibling | Monash Medical, VIC, AU                  | Royal Melbourne Hospital, VIC, AUS      | 2018 |
| Cerebral Palsy             | Male - 3 years         | Sibling | St John of God Health Care, WA, AUS      | Royal Melbourne Hospital, VIC, AUS      | 2018 |
| Cerebral Palsy             | Male - 4.5 years       | Sibling | Gladstone Hospital, QLD, AUS             | Royal Melbourne Hospital, VIC, AUS      | 2018 |
| Cerebral Palsy             | Male - 7 years         | Sibling | John Hunter, NSW, AUS                    | Royal Melbourne Hospital, VIC, AUS      | 2017 |
| Cerebral Palsy             | Male - 5 years         | Sibling | Mater Hyde Park, NSW, AUS                | Royal Melbourne Hospital, VIC, AUS      | 2017 |
| Cerebral Palsy             | Male - 6 years         | Sibling | Northern Hospital, VIC, AUS              | Royal Melbourne Hospital, VIC, AUS      | 2017 |
| Cerebral Palsy             | Male - 2 years         | Sibling | St George Public, NSW, AUS               | Bundang Medical Centre, Korea           | 2017 |
| Cerebral Palsy             | Female - 1.5 years     | Self    | Freemasons, VIC, AUS                     | Duke University Medical Center, NC, USA | 2017 |
| Cerebral Palsy             | Female - 6 years       | Self    | Jewish General, QC, CAN                  | Maisonneuve Rosemont, QC, CAN           | 2017 |
| Cerebral Palsy             | Female - 2 years       | Sibling | King Edward Memorial, WA, AUS            | Royal Melbourne Hospital, VIC, AUS      | 2016 |
| Cerebral Palsy             | Male - 7 years         | Self    | Prince George Regional Hospital, BC, CAN | Duke University Medical Center, NC, USA | 2016 |
| Cerebral Palsy             | Male - 1.5 years       | Sibling | Royal University Hospital, SK, CAN       | Duke University Medical Center, NC, USA | 2016 |
| Cerebral Palsy             | Male - 5 years         | Self    | BC Women's Hospital, BC, CAN             | Duke University Medical Center, NC, USA | 2016 |
| Cerebral Palsy             | Male - 2 years         | Self    | Markham Stouffville Hospital, ON, CAN    | Duke University Medical Center, NC, USA | 2015 |
| Cerebral Palsy             | Male - 1 year          | Self    | Scarborough General, ON, CAN             | Duke University Medical Center, NC, USA | 2012 |
| Cerebral Palsy             | Female - 2.5 years     | Self    | St. Joseph's Health Centre, ON, CAN      | Duke University Medical Center, NC, USA | 2010 |
| Cerebral Palsy             | Female - 10 months     | Self    | Foothills Medical Centre, AB, CAN        | Duke University Medical Center, NC, USA | 2009 |
| Cerebral Palsy             | Male - 1 year          | Self    | Mount Sinai Hospital, ON, CAN            | Duke University Medical Center, NC, USA | 2007 |
| Cerebral Palsy             | Male - 2.5 years       | Self    | Windsor Regional, ON, CAN                | Duke University Medical Center, NC, USA | 2007 |
| Global Developmental Delay | Female - 3 years       | Self    | St John of God Geelong, VIC, AUS         | Duke University Medical Center, NC, USA | 2010 |
| Type 1 Diabetes            | Female - 12 years      | Self    | Calvary Adelaide, SA, AUS                | Childrens Hospital Westmead, NSW, AUS   | 2017 |
| Type 1 Diabetes            | Female - 5 years       | Self    | Flinders Private Adelaide, SA, AUS       | Childrens Hospital Westmead, NSW, AUS   | 2017 |
| Type 1 Diabetes            | Female - 2 years       | Self    | St George Private, NSW, AUS              | Childrens Hospital Westmead, NSW, AUS   | 2017 |
| Type 1 Diabetes            | Male - 9 years         | Self    | Glengarry Private, WA, AUS               | Childrens Hospital Westmead, NSW, AUS   | 2017 |
| Type 1 Diabetes            | Female - 1 year        | Self    | St George Public, NSW, AUS               | Children's Hospital Westmead, NSW, AUS  | 2016 |
| Type 1 Diabetes            | Female - 4 years       | Self    | Home Birth, WA, AUS                      | Children's Hospital Westmead, NSW, AUS  | 2015 |
| Type 1 Diabetes            | Male - 8 years         | Self    | Joseph Brant, ON, CAN                    | Shands Hospital, FL, USA                | 2009 |
| Type 1 Diabetes            | Male - 11 years        | Self    | Women's College, ON, CAN                 | Shands Hospital, FL, USA                | 2009 |
| Type 1 Diabetes            | Male - 11 years        | Self    | Oakville Trafalgar, ON, CAN              | Shands Hospital, FL, USA                | 2009 |
| Type 1 Diabetes            | Female - 6 years       | Self    | McMaster Health Centre, ON, CAN          | Shands Hospital, FL, USA                | 2008 |
| Type 1 Diabetes            | Male - 3 years         | Self    | Regina General, SK, CAN                  | Shands Hospital, FL, USA                | 2008 |
| Type 1 Diabetes            | Male - 9 years         | Self    | Women's College, ON, CAN                 | Shands Hospital, FL, USA                | 2007 |

<sup>2</sup> Cell Care data on file