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**A Phase 3 Randomized Trial of Voxelotor in Sickle Cell Disease.**
[In this phase 3 randomized, placebo-controlled trial involving participants with sickle cell disease, voxelotor significantly increased hemoglobin levels and reduced markers of hemolysis. These findings are consistent with inhibition of HbS polymerization and indicate a disease-modifying potential.]
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**Effect of Umbilical Cord Blood Sampling versus Admission Blood Sampling on Requirement of Blood Transfusion in Extremely Preterm Infants: A Randomized Controlled Trial.**
[Initial blood sampling from placental end of umbilical cord, when combined with anemia prevention strategies, significantly prolonged the time to first transfusion and reduced the need for early transfusions among extremely premature neonates.]
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**Exercise program for children and adolescents with leukemia and lymphoma during treatment: A comprehensive review.**
[An exercise program (EP) during cancer treatment seems to be a valid strategy against physiological and quality-of-life impairments, but scientific evidence of benefits among pediatric patients is still limited. This review summarizes the literature focused on randomized controlled trials of EP offered to patients during leukemia and lymphoma treatment.]
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**High alcohol consumption in adult survivors of childhood cancer increases risk of emotional distress.**
Breese Y. *Evidence-Based Nursing* 2019;22(3):84.
[Regarding alcohol consumption patterns, survivors drank less than siblings, survivors treated with cranial radiation therapy drank less than other survivors, and female survivors drank less than male survivors. Associations between alcohol consumption and neurocognitive impairment generally failed to achieve statistical significance. Associations between alcohol consumption and emotional distress were more striking. ]
Intravenous iron versus oral iron or observation for gastrointestinal malignancies: a systematic review.
[Despite the limitations of the current body of evidence, there is a likely benefit to the use of intravenous iron in this patient population. Further confirmatory research is needed to draw empirical conclusions.]
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Investigating thrombocytosis.

[Maternal anemia is a well-recognized global health problem; however, there remain questions on specific hemoglobin thresholds that predict health risk or protection for mother and child. Our objective was to conduct a systematic review and meta-analysis to examine the associations of maternal hemoglobin concentrations with a range of maternal and infant health outcomes.]
Freely available online

Myocardial Iron Overload in Sickle Cell Disease: A Rare But Potentially Fatal Complication of Transfusion.
[Sickle cell disease (SCD) is a frequent indication for chronic transfusion, which can cause iron overload. Excess iron often affects the liver, but not the heart in SCD. Magnetic resonance (MR) is recommended to detect myocardial iron overload (MIO) but its elevated cost requires optimized indication. We aimed to compile all published data on MIO in SCD upon the description of a fatal case of severe MIO in our institution, and to determine associated risk factors.]
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Preoperative anemia and outcomes in cardiovascular surgery: systematic review and meta-analysis.
[Preoperative anemia is associated with adverse outcomes following cardiac surgery. These findings support the addition of preoperative anemia to future risk prediction models, and as a target for risk modification.]
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Non-hodgkin's lymphoma in childhood and adolescence.
Available with appropriate registration or membership

Guidelines
The following new guidance has recently been published:

L-glutamine for sickle cell disease.
UpToDate;2019.
https://www.uptodate.com/contents/practice-changing-updates#H118460
[For individuals >5 years of age with sickle cell disease who have pain despite hydroxyurea (or who cannot tolerate hydroxyurea), we suggest pharmaceutical grade L-glutamine.]

Lenalidomide for treating myelodysplastic syndromes associated with an isolated deletion 5q cytogenetic abnormality.
National Institute for Health and Care Excellence (NICE);2019.
https://www.nice.org.uk/guidance/ta322
[Evidence-based recommendations on lenalidomide (Revlimid) for treating myelodysplastic syndromes associated with an isolated deletion 5q cytogenetic abnormality in adults. May 2019: A simple discount patient access scheme for lenalidomide has replaced the previous complex scheme. This does not affect the cost effectiveness of lenalidomide. Contact HTA_UKandI@celgene.com for details.]
Freely available online

Lenalidomide plus dexamethasone for multiple myeloma after 1 treatment with bortezomib.
National Institute for Health and Care Excellence (NICE);2019.
https://www.nice.org.uk/guidance/ta586
[1 Recommendations 1.1 Lenalidomide plus dexamethasone is recommended as an option for treating multiple myeloma in adults only if: they have had only 1 previous therapy, which included bortezomib, and the company provides it according to the commercial arrangement. 1.2 This recommendation is not intended to affect treatment with lenalidomide that was started in the NHS before this guidance was published...]
Freely available online

Lenalidomide plus dexamethasone for previously untreated multiple myeloma.
National Institute for Health and Care Excellence (NICE);2019.
https://www.nice.org.uk/guidance/ta587
[1 Recommendations 1.1 Lenalidomide plus dexamethasone is recommended as an option for previously untreated multiple myeloma in adults who are not eligible for a stem cell transplant, only if: thalidomide is contraindicated (including for pre-existing conditions that it may aggravate) or the person cannot tolerate thalidomide, and the company provides lenalidomide according to the commercial arrangement...]
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This Bulletin was created by Barbara Peirce, Outreach Librarian of NHS East Dorset Knowledge and Library Service

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