

Name of the Guideline:

Evidence-Based Management of Sickle Cell Disease

Description:

The purpose of the *Evidence-Based Management of Sickle Cell Disease* is to provide multi-disciplinary professionals and sickle cell patients with the means to document evidence-based interventions using the Omaha System. The guideline provides the following description of its development:

The purpose of the “Evidence-Based Management of Sickle Cell Disease: Expert Panel Report (EPR), 2014” is to synthesize the available scientific evidence on sickle cell disease and offer guidance to clinicians, patients, and families. Co-chairs Drs. George Buchanan and Barbara Yawn guided the work of an expert panel and national organization representative, and the production of this report, which generated much discussion regarding the quality of the available scientific literature, its interpretation, and its practical application. Priority was given to delivering a document that both objectively evaluated and organized the evidence and could be put into practice in the clinical setting. Effective implementation of the evidence is ultimately what is needed to bring about a change in outcomes.

By developing this EPR, the expert panel has taken a tremendous step towards addressing the health needs of the person with sickle cell disease in acute care, chronic care, and health maintenance settings. It is incumbent upon the team of health professionals caring for these individuals to change the landscape of care by providing this state-of-the-science care. This standards-encoded guideline is intended to facilitate improved health outcomes and quality of life for persons living with sickle cell disease through a systemic translation of evidence into practice using the Omaha System.

Omaha System Problems:

Bowel function
Circulation
Communicable/infectious condition
Digestion/hydration
Family planning
Health care supervision
Medication regimen
Mental health
Neuro-musculo-skeletal function
Nutrition
Pain
Physical activity
Reproductive function
Respiration
Skin
Sleep and rest patterns
Urinary function
Vision

Population: Persons with sickle cell disease and their families

Disease/Condition: Sickle Cell Anemia

Practice Setting: Across all settings (acute care, chronic care, and maintenance)

Levels of Practice: Individual level interventions

Date of most recent guideline revision: March 31, 2015

Presented by: Sugandha Rajput on April 26th, 2015

Encoded date: August 27, 2015

Contributors: Sugandha Rajput, University of Minnesota School of Public Health; Karen Monsen; Jehad Adwan, University of Minnesota School of Nursing; Jackie Stewart, Northeast Wisconsin Technical College.

Source: United States Department of Health and Human Services National Heart, Lung, and Blood Institute (2014). Evidence-Based Management of Sickle Cell Disease. Expert Panel Report, 2014.

Available at: <http://www.nhlbi.nih.gov/health-pro/guidelines/sickle-cell-disease-guidelines>