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## **E-BABE-Cryotherapy effect on oral mucositis severity among recipients of bone marrow transplantation: A literature review**

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Oral mucositis is a distressing toxic effect of cancer therapy and one of the major side effects of the myeloablative conditioning used to prepare patients for bone marrow transplantation (BMT). Oral cryotherapy is one of the recent modalities used to prevent and manage oral mucositis. The purpose of this review is to clarify the cryotherapy effect on oral mucositis severity among patients receiving myeloablative conditioning followed by BMT. A literature search was performed using six different electronic databases: CINAHL<sup>®</sup>, MEDLINE<sup>®</sup>, Nursing Ovid, PubMed, Springer, and Science Direct. Six articles were deemed relevant and included in this review. Oral mucositis increases mortality rate, length of hospital stay, opioid use, and the need for parenteral nutrition usage. It also decreases the patient's quality of life and his or her desire to complete treatment. However, oral cryotherapy significantly minimizes the incidence and severity of oral mucositis and decreases secondary oral mucositis complications. Using oral cryotherapy concurrently with a regular oral care protocol can improve its efficacy for preventing and managing oral mucositis. Additional studies should be conducted to create standard oral cryotherapy protocols.

### **Biography**

Abdel-Qader Mahmoud Tayyem, is a Head Nurse at the King Saud Medical City in Riyadh, Kingdom of Saudi Arabia for 3 years, obtain his Master degree in Oncology nursing 2013. Worked previously as Clinical Resource nurse in highly specialized cancer center (King Hussien Cancer Center ) Amman, Jordan from December 2010 till November 2014.

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