

3rd International Conference on

Hematology & Blood Disorders

November 02-04, 2015 Atlanta, USA

Clinical outcomes of implementing evidence-based practice on venous thromboembolism prevention for cancer patients in Qatar: A retrospective study

Shereen Elazzazy

Hamad Medical Corporation, Qatar

Background: Venous Thromboembolism (VTE) is a serious condition; approximately 20% of VTE cases occur in cancer patients and it is a significant cause of morbidity and mortality. Hospitalized patients with cancer require VTE prevention. Breast cancer is considered a high risk for VTE due to different factors (malignancy, surgery, chemotherapy, hormonal therapy, hospitalization and female gender).

Objectives: This study focuses on the assessment of clinical outcome in preventing VTE in cancer population in Qatar after implementation of evidence based VTE prevention guidelines.

Methods: A retrospective study was conducted to evaluate the incidence of DVT by evaluating Doppler ultrasound, database for 364 cases of in/out-patients over 24 month (Jan 2011-Dec 2012) findings were analyzed by a hematologist to identify patients who developed DVT due to current or previous admission. Relationship between the incidence of VTE overtime and the compliance to VTE prevention protocol were established.

Results: The study showed that the increase in the overall compliance to VTE prophylaxis protocol introduced to inpatients population (n=2595) increased from 61.5% to 84.6% (P=0.0297); led to decreased DVT incidence by 66.4% (P=0.0145). 50% of cancer cases developed DVT were breast cancer patients (n=24), 92% of them were outpatients.

Conclusion: Appropriate thromboprophylaxis could considerably improve the incidence of DVT in cancer patients, breast cancer patients are very high risk for VTE which raises the importance of implementing thromboprophylaxis in both hospital and ambulatory sittings.

Biography

Shereen Elazzazy has received her Bachelor's degree in Pharmacy from Egypt in 1997 and her Doctor of Pharmacy degree at Purdue University, USA in 2011. She has extensive international experience working in Egypt, KSA and Qatar and recently completed Internship in Indiana, USA. She is currently an Assistant Director of Pharmacy-Clinical Services in NCCCR, Qatar, an Adjunct Clinical Faculty in College of Pharmacy, Qatar University, a Clinical Preceptor for College of Science, North Atlantic, Qatar, Local Mentor for Pharmacy School, Queen's University, UK and a Clinical Sponsor, PharmD program, University of Colorado, USA. She has numerous peer reviewed publications and international conferences presentations.

shereen_amin@yahoo.com

Notes: