

World Congress on

# Patient Safety & Quality Healthcare

September 07-09, 2017 London, UK

## Effects of chitosan wound dressing for treating peripherally inserted central catheter induced mechanical

**Xiaosong Li, Ling Wan and Wanqing Zhang**

First Affiliated Hospital of Chinese PLA General Hospital, China

**Objective:** To determine the effects of chitosan wound dressing for treating peripherally inserted central catheter (PICC) induced mechanical phlebitis.

**Method:** In the experimental group, patients were treated by chitosan wound dressing after hot compress once phlebitis was induced by PICC, while the patients of the control group were treated by smearing hirudoid cream after hot compress. Then therapeutic effects on phlebitis of two groups were observed.

**Results:** one hundred and fifty tumor patients with postoperative PICC-induced phlebitis were randomly divided into two groups, 75 cases in the experimental group and 75 cases in the control group. The overall effect was up to 95% in the experimental group and had statistically significant difference than that of the control group ( $P < 0.05$ ).

**Conclusion:** Chitosan wound dressing is effective for treating PICC-induced mechanical phlebitis and worthy of being widely used for clinical purposes.