

Background :

This study was performed to determine synergism of white plastic cover and phototherapy in reduction of bilirubin amount in icteric neonates in Javaheri Hospital from 2018 to 2019.

Methods and materials:

In this interventional study, 100 icteric neonates in Javaheri Hospital from 2018 to 2019 were enrolled and 57 out of them underwent phototherapy with plastic cover and the remaining 43 neonates underwent single phototherapy and the reduction of bilirubin was determined and compared between groups.

Results:

In this study, the mean bilirubin level in admission and at discharge had no significant difference in those who underwent phototherapy with white plastic cover compared with those under single phototherapy.

Conclusions:

Totally, according to the obtained results in this study and comparison with other studies it may be concluded that phototherapy with and without white plastic cover would not have any synergism in reduction of bilirubin amount in icteric neonates.

Key Words:

Plastic cover, Phototherapy, Neonates, Icter