

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



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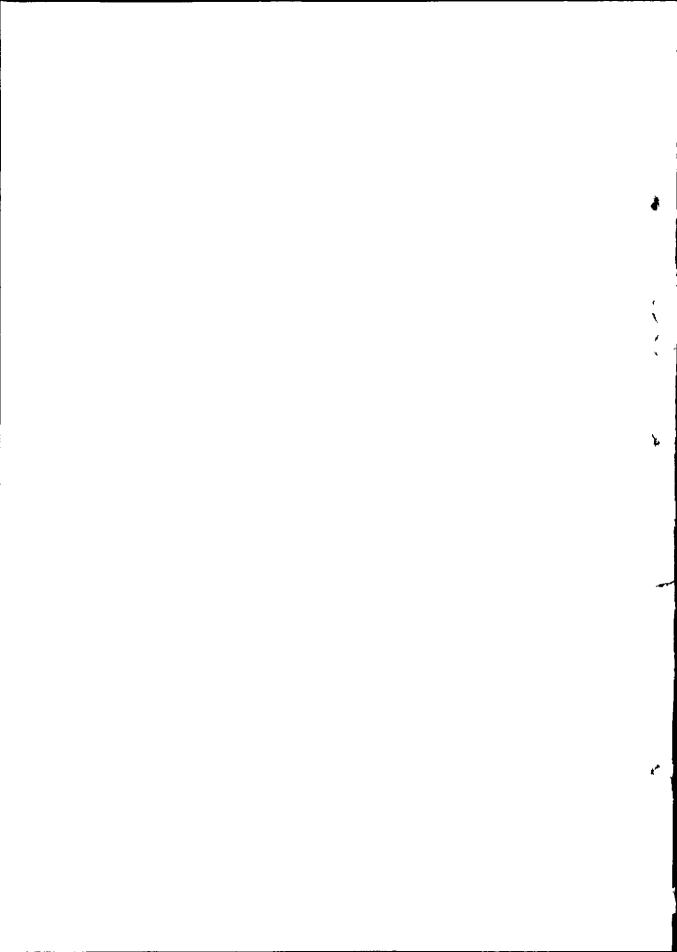


بالرسالة صفحات لم ترد بالإصل

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The proaggregating and potentiating effect of unfractionated and low molecular weight heparin on platelets of the critically ill patients

Abstract:-

Heparin has been widely used in the prevention and treatment of various thromboembolic disorders for many years, and is considered to be a relatively safe drug. However, a small but significant number of patients receiving heparin develop thrombocytopenia and are at risk for associated complications. Recent studies suggest that the frequency of heparin-induced thrombocytopenia (HIT) is approximately three per cent with unfractionated heparin.

The patients were randomized into one of the following two groups: -

Group I: Fourty patients 23 males and 17 females who received L.W.M.H. with mean age of 51 ± 15 years.

Group II: Fourty patients 22 males and 18 females who received U.F.H. with mean age of 51.9 + 12.9 years.

All patients receiving heparin were eligible to be included in the study irrespective of the disease for which heparin is prescribed.

Our study has shown the following findings:-

- In group 1: Out of 40 patient on L.M.W.H. 3-patients (7.5%) developed thrombocytopenia mainly on the 1st and 3rd day however on the 5th and 7th days, it resumed back its level with no significant change from base line.
- In group II: Out of 40 patients on U.F.H 11-patients (27.5%) developed thrombocytopenia starting from the 3rd day with the maximum drop of platelets count in
- Comparison between THE effect of L.M.W.H. (Group I) versus U.F.H. (Group II) on percent change of platelets count.

There was no significant difference percent change of platelets count from the baseline level in both groups under deferent types of heparin treatment in the 1st and 3rd days however on 5th and 7th days there was significant % reduction changes in platelets count in group II (U.F.H) compared to group I (L.M.W.H).

Heparin-PF4 IgG Test: -Group I:

Out of 40 patients that received L.M.W.H. only 4 of them developed heparin-PF4IgG antibodies in their serum out of those 4 patients only one (2.5%) developed thrombocytopenia however 3 of them exhibited a platelets count that was within normal level Group II:

Out of 40 patients that received U.F.H. only 4 of them developed heparin-PF4IgG antibodies in their serum out of these 4 patients only three (7.5%) developed thrombocytopenia. However platelets count in one of them was within normal level.

So, sensitivity, specificity and diagnostic accuracy of heparin-PF4 IgG test in H.I.T.

Sensitivity = 28.5 %, specificity = 93.9% and diagnostic accuracy = 82.5%, So heparin-PF4 IgG test is a highly specific test to detect patients with H.I.T. It is a good negative test but it is a weak positive test.

Conclusion:-

is:

- The incidence of H.I.T. with L.M.W.H. is lower (2.5%) than that with U.F.H. (7.5%).
- 2. Heparin PF4 IgG test is a good -ve test but a weak +ve test for detection of H.I.T.
- 3. H.I.T. did not cause any thrombotic or bleeding complications.

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Submitted for partial fulfillment in master degree in critical

care medicine

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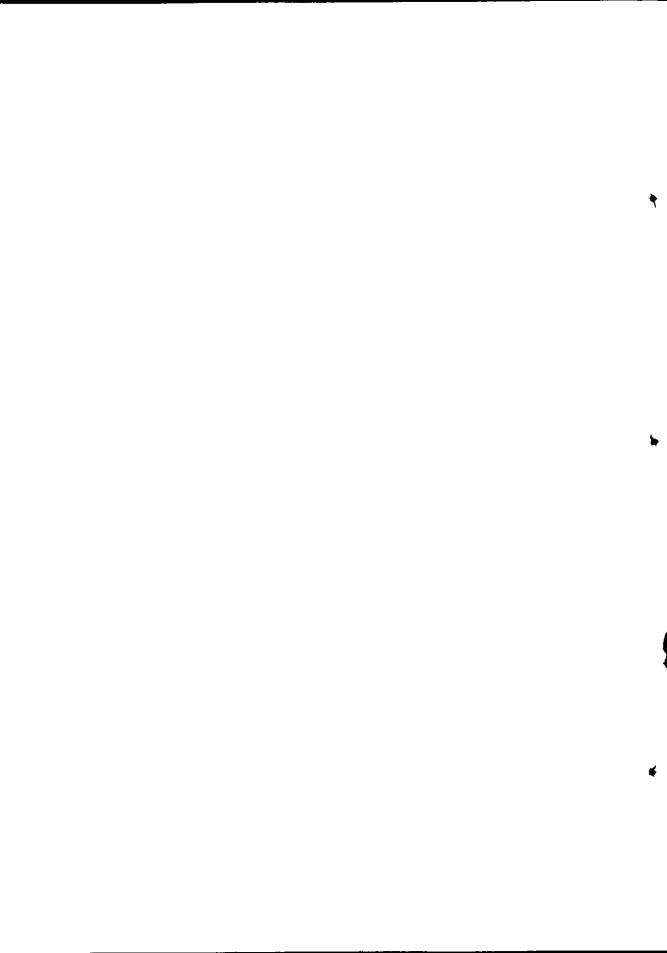
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