

**SUDAN UNIVERSITY OF SCIENCE &
TECHNOLOGY
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*Evaluation of Different Methods of
Abdominal Preparation Prior to
Intravenous Urography in Patients
Over Forty Years Old*

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Dedication

To my parents

To my sisters and brothers

To my teachers

To my friends

To any one who reads this
research and tries to make use
of it.

To all those I dedicate this work.

Acknowledgement

Great thanks to Prof. Mutasim Alsaed my supervisor for his valuable advice.

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ABSTRACT

In this study the researcher attempts, to test three methods of abdominal preparation commonly used in the radiologic department in Khartoum State prior to intravenous urography and to select the suitable methods for elderly patients ranging 40-80 years old .

The researcher prepared 60 patient in two conventional x-ray department and divided them into three groups. The first group (20 patients) without preparation, the second group (20 patients) prepared with castor oil + dysflatyl tablets for one day and the third group (20 patients) prepared with enema- wash. The general results and findings out of this research are as follow:

*** The first group shows 1(5%) image with satisfactory preparation, 19 (95%) images with unsatisfactory preparation and there is no image with good preparation.**

– This result means that intravenous urography for the elderly patient could not be done without abdominal preparation.

*** The second group shows 3(15%) images with good preparation, 12(60%) images with satisfactory preparation and 9(25%) images with unsatisfactory preparation.**

*** The third group shows 17(89%) images with good preparation, 2(10%)images with satisfactory preparation and 1(5%) image with unsatisfactory preparation.**

– This result means that the abdominal preparation with the enema-wash for the elderly patient is more effective than preparation by castor oil and dysflatyl for one day.

الخلاصة

في هذه الدراسة حاولت الباحثة اختبار ثلاثة من طرق التحضير البطني التي تستخدم عادة في أقسام الأشعة في ولاية الخرطوم قبل intravenous Urography (I.V.U) وتكوة على عامل العمر محاولة اختيار لإسيلة الأنسب من هذه لإسائل للتحضير البطني لكبار السن الذين تتراوح أعمارهم بين 40-80 سنة. قامت الباحثة بتحضير 60 و أيضاً في قسمين من أقسام الأشعة العادية تم تقسيمهم إلى ثلاثة مجموعات ، المجموعة الأولى (20 و أيضاً) بون تحضير، المجموعة الثانية (20 و أيضاً) تم تحضيرهم باستخدام زيت الخروع وحب ممتصة للغوات والمجموعة الثالثة (20 و أيضاً) تم تحضيرهم بالحقنة الشرجية. النتائج العامة لهذه الدراسة:

* المجموعة الأولى أظهرت 5% (1) صورة وضية التحضير و95% (19) صورة غير وضية التحضير ولم تكن هنالك ولا صورة جيدة التحضير.

- هذه النتيجة تعني انه لا يمكن عمل ال Intravenous Urography لكبار

السن بون تحضير بطني.

* المجموعة الثانية أظهرت 15% (3) صورة جيدة التحضير و60% (12) صورة وضية التحضير و25% (5) صورة غير وضية التحضير. * المجموعة الثالثة أظهرت 85% (17) صورة جيدة التحضير و10% (2) صورة وضية التحضير و5% (1) صورة غير وضية التحضير.

- هذه النتيجة تعني أن التحضير البطني بالحقنة الشرجية لكبار السن أكثر

فعالية من التحضير زيت الخروع وحب الممتصة للغوات.