

Dedication

TO: my family,

Every person who help me in this study,

***With great deal to my teachers who guided
me in this study.***

Acknowledgements

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I also acknowledge the fact that no one can work in isolation from colleagues and friends.

:الملخص

إن الهدف الرئيسي من هذا البحث هو تقييم تدفق الدم في الشريان الرحيمي بعد الإيلاس وأعمارهم تتراوح ما بين (45-60) عام باستخدام موجات دوبلر وتمت دراسة خمسين من النساء بعد الإيلاس بالمقارنة مع عشرين امرأة في سن الإنجاب. وتحصلت الدراسة على النتائج التالية

. متوسط الفئة العمرية من 45-60 عام 45.4 ± 2.9

إن مؤشر مقاومة سريان الدم في الشريان الرحمي في هذا العمر يزيد بمعدل
0.004 .

إن مؤشر نبض الشريان الرحمي في هذا العمر ي قل بمعدل 0.3 لكل سنه بدءاً
من 19.93

إن الضغط الانقباضي لشريان الرحم في هذا العمر ي قل بمعدل -2.5 لكل
سنه بدءاً من 162

إن الضغط الانبساطي لشريان الرحم في هذا العمر ي قل بمعدل -0.4 بدءاً
من 23 .

وهذه النتائج تتوافق مع بعض الدراسات السابقة وتختلف مع بعضها نسبة
لبعض الاختلافات في هذه الدراسات ونتيجة للعمر في هذه الدراسة

ABSTRACT

The main objective of this research is to assess the blood flow of
the uterine artery in postmenopausal age (from 45-60 years) by
using Doppler ultra sound.

The study included fifty of postmenopause ,compared with Twenty premenopausal women were studied by measuring peak systolic velocity (P.S.V), end diastolic velocity (E.D.V), and PI&RI Compared with 20 pre menopausal women blood flow measurements. The mean of age group from 45 to 60 years is $47.42. \pm 9$.

The resistance index (RI) of uterine artery blood flow among this age group increase by 0.004for each year starting from 0.7. The pulsatility index (PI) increase linear relationship, the coefficient 0.3 indicates that PI reduces by 0.3 for each year starting from 19.93.

The P.S, V increase linear relationship coefficient -2.5 indicates that p.s.v reduces by -2.5 for each year starting from 162.

The E.D.V increase linear relationship coefficient -0.4 indicates that E.D.V reduces by -0.4 for each year starting from 23.

These results were similar with some results of previos studies and differ with results of others which have differences in their studies.

As conclusion the main result that, the P.S.V (peak systolic velocity),E.D.V(end diastolic velocity) and PI(pulsatility index) were

reduced with age, except RI (resistance index) which was increased with age, change thesis due to age, and some Results of previous studies were similar to the results of this study and the others were different .