Serum Creatinine, Uric Acid, Uric Acid to Creatinine Ratio and Glomerular Filtration Rate among Metabolic Syndrome Patients in Khartoum State

الكرياتينين، حمض اليورك، نسبة حمض اليورك إلى الكرياتينين و معدل تصفية الكبيبة في مصل مرضى المتلازمة الأيضية في ولاية الخرطوم

A dissertation submitted in partial fulfilment for the requirement of the master degree in Medical Laboratory Science (Clinical Chemistry).

By:
Afag Elsheikh Mohammed Elsheikh
B.Sc Clinical Chemistry _ College of Medical Laboratories Science
Omdurman Islamic University - 2016

Supervisor:
Dr: Nuha Eljaili Abobaker
College of Medical Laboratories Science – Clinical Chemistry

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Research title: Serum Creatinine, Uric Acid, Uric Acid to Creatinine Ratio and Glomerular Filtration Rate among Metabolic Syndrome Patients in Khartoum State.

Name:……………………..………  Age:…………  Status:………….

Gender:  
Male  [ ]  Female  [ ]

Heigh:  [ ] cm  Weight:  [ ] Kg  waist circumference  [ ] cm

Results:
1- Serum creatinine:…………………………………………..….…mg/dl
2- Serum uric acid:………………………………………..……mg/dl
3- Serum uric acid to creatinine ratio:……………………………………
4- Estimated glomerular filtration rate:
CKD-EPI Creatinine = $A \times (\frac{Scr}{B})^C \times 0.993^{\text{age}} \times 1.159$
Where $A$, $B$, and $C$ are the following:

<table>
<thead>
<tr>
<th>Female</th>
<th>Male</th>
</tr>
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<tbody>
<tr>
<td>Scr ≤0.7</td>
<td>Scr ≤0.9</td>
</tr>
<tr>
<td>$B = 0.7$</td>
<td>$B = 0.9$</td>
</tr>
<tr>
<td>Scr &gt;0.7</td>
<td>Scr &gt;0.9</td>
</tr>
<tr>
<td>$B = 0.7$</td>
<td>$B = 0.9$</td>
</tr>
</tbody>
</table>

…………………………………………..……….ml/min/1.73m$^2$

Date:    /     /2018