

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قال الله تعالى

اقْرَأْ بِاسْمِ رَبِّكَ الَّذِي خَلَقَ (1) خَلَقَ الْإِنْسَانَ مِنْ عَلَقٍ (2) اقْرَأْ وَرَبُّكَ الْأَكْرَمُ
(3) الَّذِي عَلَّمَ بِالْقَلَمِ (4) عَلَّمَ الْإِنْسَانَ مَا لَمْ يَعْلَمْ (5)

صدق الله العظيم

سورة العلق الآيات 1-5

Dedication

To my big heart my parents who offered me
anything without taking anything,,,

To my dear brothers and sisters who
encouraged me,,,

To my cute and best friends who shared me
my happy times and wish me all the success
and good luck.

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Topic		Page
Dedication		I
Acknowledgement		II
Content		III
List of Figures		VII
Abstract (English)		IX
Abstract (Arabic)		X
Chapter one introduction and literature review		
1.1	Introduction	1
1.2	Renal system	3
1.2.1	Functional anatomy of the kidney	3
1.2.2	Renal physiology	4
1.3	Blood urea	5
1.3.1	Chemical structure of urea	6
1.3.2	History of urea	6
1.3.3	Physiology of urea	6
1.3.4	Disease correlations	7

1.3.4.1	Prerenal hyperuremia	8
1.3.4.2	Renal hyperuremia	8
1.3.4.3	Post renal hyper-uremia	8
1.4	Plasma creatinine	8
1.4.1	The factors which affect serum creatinine	9
1.4.1.1	Muscle mass	9
1.4.1.2	Gender	10
1.4.1.3	Age	10
1.4.1.4	Race	10
1.4.2	Problems associated with increased blood creatinine	11
1.4.2.1	Acute renal (kidney) failure (ARF)	11
1.4.2.2	Chronic renal failure (Bright's disease)	12
1.4.2.3	Urinary tract obstruction	13
1.4.2.4	Acute tubular necrosis	13
1.4.2.5	Glomerulonephritis	13
1.4.2.6	Diabetic nephropathy	14
1.4.2.7	High blood pressure (HBP)	14
1.5	Benzene	15

1.5.2	Physical properties	15
1.5.3	Chemical properties	15
1.5.4	Benzene structure	15
1.5.5	Metabolism of benzene	16
1.5.6	Distribution of benzene	16
1.5.7	Benzene exposure in the work place	16
1.5.8	Hazard effect of exposure to benzene	18
1.6	Rationale	19
1.7	Objectives	20
1.7.1	General Objectives	20
1.7.2	Specific Objectives	20
Chapter two: Material and method		
2.1	Study area and period	21
2.2	Target population and sample size	21
2.3	Selection criteria	21
2.3.1	Inclusion criteria	21
2.3.2	Exclusion criteria	21
2.4	Ethical consideration	21
2.5	Data collection and analysis	22

2.5.1	Interview with questionnaire	22
2.5.2	Blood sample & collection	22
2.6	Biomedical measurement & instrument used	22
2.6.1	Estimation of urea	23
2.6.2	Estimation of creatinine	24
2.7	Quality control	24
2.8	Statistical analysis	24
Chapter three: result and analysis		
3.1	Result and analysis	26
Chapter four: Discussion ,Conclusions and Recommendation		
4.1	Discussion	33
4.2	Conclusion	35
4.3	Recommendation	36
Reference		37
Appendix		

List of Tables

Table	Page
Table (3-1)) Comparison of means of age in the test group and control group.	27
Table (3-2) Comparison of means of plasma levels of urea and creatinine (mg/dl) of the workers at benzene station (test group) and control group.	28

List of Figures

Figures	Page
Figure (3-1) :A scatter plot show the relationship between plasma level of urea and duration work	29
Figure (3-2) :A scatter plot show the relationship between plasma level of creatinine and duration work	30
Figure (3-3): A scatter plot show the relationship between plasma level of urea and age	31
Figure (3-3): A scatter plot show the relationship between plasma level of creatinine and age	32

ABSTRACT

A case control study conducted during period from February to May 2015 to evaluate plasma levels of urea and creatinine in benzene station workers.

Fifty benzene station workers were selected as test group and fifty as control group , age matched . blood specimens were collected T-test used for comparison (significant level was set at $p \leq 0.05$) using SPSS 14.0 .

The result of this study indicated significant increase in the means of plasma level of urea and creatinine when compared to control group (36.02 ± 12.203) (1.298 ± 0.475), (23.16 ± 5.582) (0.926 ± 0.330) mg\dl for case and control respectively .

The result also showed positive significant correlation between plasma level of urea and duration ($r=0.711$,P. value =0.000) , and positive significant correlation between plasma levels of creatinine and duration ($r= 0.777$, P. value= 0.000).

This study is concluded :

The means of plasma levels of urea and creatinine are significantly increase in workers at benzene station when compared to healthy group .

The levels of plasma urea and creatinine show significant positive correlation with duration.

المستخلص

أجريت هذه الدراسة في الفترة ما بين فبراير الى مايو 2015 لتقييم مستويات البولينا و الكيرياتين في عمال محطات البنزين .

تم اختيار 50 شخص من العمال مع 50 شخص من الأصحاء , تم جمع عينات الدم من المجموعتين وتم قياس مستويات البلازما.

حسب المتوسط والانحراف المعياري لمستوى البلازما للبولينا والكيرياتينين, تم استخدام اختبار T للمقارنه (تم تعيين مستوى $P \leq 0,05$) باستخدام برنامج التحليل الاحصائي 14,0.

أشارت نتائج الدراسة الى ارتفاع في مستوى البولينا والكيرياتينين مقارنة بالمجموعه الضابطه $(12,203 \pm 36,02)$, $(0,475 \pm 1,298)$, $(5,581 \pm 23,16)$, $(0,330 \pm 0,926)$ على التوالي.

كانت هناك علاقة ايجابية ذات أهميه بين مستويات البلازما من البولينا والكيرياتينين مع تقدم مدة العمل $(r=0,711 , p=0.000)$ $(r= 0,777 \quad p=0,000)$.

خلصت هذه الدراسة الى:

متوسط مستويات البلازما من البولينا والكيرياتينين مرتفعات بشكل ملحوظ لدى عمال محطات البنزين مقارنة مع الاشخاص الاصحاء .

مدة العمل لها علاقة ايجابية ذات اهمية مع ارتفاع مستويات البلازما من البولينا والكيرياتينين.