



Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

The possibility of Producing Herb Extract for The Treatment of Urinary Tubular Inflammation Dr. Karim Majeed Salman Al-Zubaidi

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Abstract:

The idea of this study to find way to control the inflammation occurs in the urinary tubular there is evidence that large number of individuals suffering from this case despite trying for the management by taken different antibiotic. So as alternative herbs may help in this case.

Number of volunteers involved in this research the total of 160 men and women in different age group took part in it, the idea behind it to identified if the herb extract affects and limited the tubular inflammation with or without taken the antibiotic.

The antibiotic is useful and successful methods to cause death to many microorganisms (2,8)

those microorganism cause damage to different body system for example breathing include lungs. Also, microorganism may damage digestive methods like stomach, intestinal tract, and urinary, kidney, gall bladder (16), moreover, the antibiotic limited the Inflammations caused by wounds, or different work injuries, or after the surgical operation (1,2)

The antibiotic is a compound that can be synthesized in laboratory and produced in pharmaceutical manufacture in larger quantity (11,12,13). There process is reducing the growth of the microorganism until they have little effect or no effect, those microorganism with the growth will cause Inflammation in urinary system and other system as well (5,6). Some antibiotic may synthesize or made from different sources (5,6).

There is different antibiotic, all of them can derivative from chemical compound with little change in the structure of each individual antibiotic, some of those that interfere with the permeability or the synthesis of the cell membrane, other group Interfere within the cell synthesis itself and other of antibiotic interfere with molecules that are involved in protein synthesis replication and the transfer of biological information (9,10)

All the antibiotic that produced will be tested and it will then check again for possibility of any side effect to identified what the side effect has (14,15).

آب (August (2024)



مجلة كلية التربية الاساسية كلية التربية الاساسية – الجامعة المستنصر

Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

The antibiotic will be tested biologically (16,17,18) to the humans in order to have more information on what affect the Antibiotic will have (14,15). Once the antibiotic's function is known, and there are no possible toxic effects are noted then it is ready for human to use.

The antibiotic has vital role to deal in positive way with number of diseases causes loss for humankind, and the research studies asked to Carry on their research for new antibiotic and made it possible to be used by human (16,18)

Some of microorganism resist to antibiotics therefor there is limited benefit from usen it in the longer term because of the resistance from the bacteria and the microorganism (19,20,21). Such case called 'antibiotic resistance' therefore the research must continue to find out other substitution.

There is evidence that the inflammation in urinary tubular for both sex male & female (20), cause dangers health Problems (19,20), it effects the individual, all thought there is available antibiotic to be use for the treatment of urinary inflammation but no harm to know more and have more information regarding this case, therefore, other product in this field is useful to deal with the inflammation of urinary tubular.

The extract applied in this study has been used numbers of time to those whom suffering from inflammation of Urinary tubular and the result encouraging.

Keyword: Antibiotic, Microorganism, Injuries, Inflammation, System Urinary, Tecurium polium, Urtica dioical

Introduction:

The aim of this research not to identified the classification of the antibiotic whom they used to management of urinary tubular inflammation in fact the aim is to find way or ways to control this case. It is well known how the affect of antibiotic on different inflammation.

Regarding the urinary tubular inflammation there is different area may be affected the kidney, urinary tubes, upper or lower part, it is important to know here that not the aim of this research to classified the urinary inflammation. It is rather to deal with all the inflammation occurs in the urinary system.

Some antibiotics substance produced has affect to the microorganism in a way they can stop the growth and even of destroying germs, the role of those substance comes by using very small amount of these compound in it. There are many substances at present come under this method, however, dealing





Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

with such method not using all of them, clinically few useful and accepts to form those antibiotics.

Urinary tubular inflammation known as inflammation it can be treated by very active drug; antibiotics known has great effect to limit or stop the inflammation. Moreover, some drugs have limited effect on urinary tubular inflammation.

Number of individuals complain from urinary tubular inflammation probably the cause of this

Inflammation is either from water or pollution from any food sources or by other reasons.

Antibiotics have known that they affected the microorganism and useful to deal with human disease, but they are not easy to investigate and to study because the compounds forming the antibiotic affected by many factors such as PH, heating, enzymic activities (6,7).

Antibiotics they can cause problem for the human life for those have allergy they must be very careful if they plan to take antibiotic, they are active to microbial substance (24,23).

Materials & Methods:

One hundred sixty individuals had urinary tubular inflammation. This disease never cured for them although they were taken different treatment for many weeks the treatment varies from drugs together with some antibiotics. The symptoms of this disease were 1. pain during urination, 2. uncomforted in bladder, 3. the urine test shows pus cells, red blood cells and crystal in urine.

From the long period of experience some herbs contain active ingredient(substances) it can treat such case effectively.

Each patient given herb extract for one course staid for 14 days, and they were asked for the symptoms they have before and after the treatment; the result shows that the pain disappear

Within the 4th and 5th of the day from taken the extract, and the urine test after the end of 14 days shows no pus cells (zero), red blood cells zero and no crystals in urine, the patients were very comfortable without any pain during urination and no pain in bladder or in kidney.

The urine sample was collected by the patients and each one tokes its sample to the liberatory for the analyzing so, there was different method sued for analyzing the samples.

There are active ingredients in the herb those took part for treatment of urinary inflammation and they (ingredient) form the antibiotic, the

مجلة كلية التربية الاساسية أب (2024)





Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

ingredients(substances) are secretin, albumen, formic acid, Silicic acid, lecithin, carbonic acid, Vitamin C, mucilage, ammonia, Essen, and Oil. The names of the herbs used is teucrium polium, Urtica dioical.

Those ingredients have the ability to destroy or limit the viral, bacterial, fungal material which any of them responsible for inflammation, all those ingredients has no toxic or side effect, this proved by the Patient themselves

The extract of the herb was taken twice a day before meal at the morning and at evening 5 mg each time.

Urine sample has been taken from the patients and stored in deep frizzier until it analyzed.

160 sample were collected males & female. The analysis were done for RBC, Pus cells, and crystals according to clinical laboratory analysis method.

Results:

160 patient's men and women were involved in this research they divided according to their age and sex table 1 and 2 shows how they classified according to their age and sex.

The patients asked to stop taken any antibiotic before taken the herb extract and after.

The patients took different drugs from antibiotics and not antibiotics without improvement.

The urine analysis done before they start, they taken the herb extract and after it weekly.

After 14 days from taken the extract, the inflammation was disappearing from most of the patient.

See table 1 & 2. There were number of patients whom require anther Corus to complete the treatment

This probably because the patient suffers from this disease for a long time (chronic). Nevertheless, the treatment was excellent and no inflammation in urinary tract. Table 1 shows the results from the men patients (80) they divided according to their age group 1 include patient age 20-30 years Old (16 patients), group 2 patients age 30-40 years old (16 patients), group 3 patients age 40-50 years old (16 patients), group 3 patients age 40-50 years old (16 patients), group 4 patients age 50-60 years old (16 patients), group 5 include patients age over 60 years old (16 patients).

The patients (160 men & woman) were voluntarily they were asked to take this herbal extract treatment which they did. The knowledge for the herbs were comes from the literature and careful studies with scientific background

أب (August (2024)





Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

for two phases, the toxicity and the stability the extract herb used has no toxic or side effect and it is stable when the extract is heated.

Table 2 shows the results from the women patients (80 women) they divided according to them

Age group consist from 16 patient's women and the age group are 20-30 years old group 1, 30-40 years old group 2, 40-50 years old group 3, 50-60 years old group 4, and over 60 years old group 5.

	Pre- Treatment			Post- Treatment			
Number of groups	RBC in urine	Pus cells	Crystals	RBC in urine	Pus cells	Crystals	
Group 1	$3-6 \pm 1$	$3-5 \pm 0.6$	+++	0-1	0-1	Zero	
Group 2	$4-5.9 \pm 0.5$	$2-4 \pm 0.9$	++++	Zero	Zero	0.1	
Group 3	$3-7 \pm 0.8$	$3-4 \pm 0.2$	+++	0.2	0.2	0.1	
Group 4	$3-8\pm0.5$	$3-7 \pm 0.2$	++++	Zero	0.1	0.1	
Group 5	$7-10 \pm 0.4$	$5-7 \pm 0.3$	++++	Zero	Zero	0.1	

Table 1: Shows the result of urine sample for 80 patients men they haveurinary tubularinflammation after and before the treatment

They divided according to their age group (group 1) 20-30 years of age, (group 2) 30-40, (group 3) 40-50 years, (group 4) 50-60 years, (group 5) over 60 years of age. Each group 16 patients.

	Pre- Treatment			Post -Treatment		
Number of group	RBC in urine	Pus cells	Crystals	RBC in urine	Pus cells	Crystals
Group 1	$4-6 \pm 0.5$	$3-7 \pm 0.7$	+++	Zero	0-1	Zero
Group 2	$5-6 \pm 0.3$	$3-5 \pm 0.5$	+++	0.1	0-2	Zero
group 3	$4-7 \pm 0.4$	$4-6 \pm 0.3$	+++	o.1	Zero	Zero
Group 4	$6-8 \pm 0.1$	$3-7 \pm 0.2$	+++	Zero	0-3	0-1
Group 5	$8-10 \pm 0.1$	$2-6 \pm 0.1$	+++	0.1	0-1	Zero



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للية التربية الأساسية – الجامعة المستنصرية

Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

Table 2: Shows the result of the urine test for 80 women in different age group they have urinary tubular inflammation they divided in a groups as the men.

Discussion:

It's important to know that the incidence of this disease rising in the last ten years, probably because of poor nutritional status for large number of people, Pollution of food,

people consuming fast food on regular basis those contain variety of additives ingredient, other factors water and air pollution all those factors have substantial effect on tubular inflammation, so the requirement for treatment of this disease is essential, the evidence shows this disease caused by one of either viral, bacterial, fungi or and any microorganism (40,41)

Some antibiotics such as Chlortetracycline used for the treatment of some kind of urinary tract infections, oxytetracycline also known used for managing this case as tobramycin used to treat some other urinary tract inflammation (24,25,26).

Polymyxin is a term which refers to a group of antibiotics that closely related to treat infection of tubular tract case within this group and most popular is polymyxin B the latter is particularly effective against infection of urinary tract (35,36).

The use of one antibiotic some time not enough so it is most likely combined with other antibiotic moreover to manage this case different drugs added to used too but even with other drugs used the inflammation is so complicated so using one antibiotic does not given satisfaction results. The above treatment has been used by some specialist in order to control the inflammation despite the possibility of the side-effect (19,20).

It has been reported that Sid-effect may happen it appears in skin irritation, cramps, nausea and allergic reaction, it has been reported also that some of allergic reaction are sever. However, no sign of side effect reported with the treatment of the herb extract used in this study.

The extract of herbal material used here can be apply to patient have urinary infections caused by bacteria, which is comparatively common particularly among diabetic among females of all ages. Fortunately, most urinary inflammation can be dealt by this extract as it proves with Safety without any irreversible tissue damage (22,23).



كلية التربية الاساسية – الجامعة المستنصرية

Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

Pyelitis is acute or chronic it is an infection of pelvic area of the kidney, in its acute form pyelitis is the most common of all kidneys infection it caused by bacteria that invaded the kidney from the bladder. Bacteria may accumulate if a kidney stone or a congenital obstruction happen this case means that the normal flow of urine is not happening this case happen during pregnancy or during catheterization (30,31,32).

To investigate the source of bacteria introduced into the urinary tract once can suggest it may come even from unsterilized equipment (39)

Bacteria that enter the bladder through the urethra and from outside or that descend from an infection in the kidney cause cystitis, it also be a secondary case in manifestation of enlarged prostate, bladder stone, tumor, and neurological disorder (33,34).

The case in women known as systole in which part of the bladder protrudes through the vaginal wall is another cause of cystitis (40,41).

So, the recommendation is to use this extract because its herbs, which studied carefully with no side effect and no harm appears to those patients whom they took part in this study. It is well known however that herbs also useful to consume it, especially if it tested by scientific methods in which what happen in this study (36,37,38).

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أب (August (2024)



كلية التربية الاساسية – الجامعة المستنصرية

Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

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Journal of the College of Basic Education Vol.30 (NO. 126) 2024, pp. 116-126

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دراست امكانيت ايجاد مستخلص اعشاب للسيطرة ومعالجت التهابات الجهاز البولي ا.م.د.كريم مجيد سلمان الزبيدي مكان العمل كلية النخبة الجامعة - بغداد - المنصور - حي دراغ ٩ ٥ ٧ ٧ ، ٧٩ ٧٧ ٠ ٩

مستخلص البحث:

هناك مجموعة من الالتهابات ينتج عنها امراض مزمنة وغير مزمنة في اجهزة الجسم المختلفة مثل امراض جهاز التنفس امراض الجهاز الهضمي امراض الكلي والجهاز البولي وغيرها وفي كل هذه الامراض تستخدم المضادات الحيوية كوسيلة للسيطرة وأيقاف الالتهابات الناتجة من البكترياً والاحياء المجهرية المنتشرة نتيجة التلوث البيئي وتلوث المياه والمواد الغذائية والملاحظ والمثبت علميا ان استخدام المضادات الحيوية لا يمكن استعمالها بشكل مستمر اولا كما ان بعضها يكون استعمالها لا تاثير له نتيجة مقاومة الجسم لتلك المضادات بعد فترة من استعمالها. لذلك ايجاد بدائل للمضادات الحبوية ضرورة ملحة دائما للسيطرة على البكتريا والميكروبات المستعملة ولهذا كان هذا البحث عبارة عن محاولة لايجاد بدائل للتعامل مع البكتريا والميكروبات التي تصيب الجهاز البولي في الكلي والمثانة والمجارى البولية المستخلص المستعمل في هذا البحث عبارة عن شراب يحتوى على مركبات كيميائيه يتم استخلاصها من مصادر طبيعية من الاعشاب الطبية كما يمكن ان تصنع هذة المركبات مختبريا في مختبرات صيدلانية. كانت نتائج استخدام هذا المستخلص جيدة وتم السيطرة وتقليل تئاثير البكتريا والميكروبات المسببة لامراض الجهاز البولى مع ملاحظة ان استمرار البحث والدراسة في هذا المجال ضروري جدا وبلطبع هناك دراسات وبحوث في هذا المجال ومستمرة علما ان هذا البحث غير مستل من در اسة ماجستير آو دكتور اة الكلمات المفتاحية : مضادات حيوية، الميكروبات او الاحياء المجهرية، الاصابات، الالتهابات، الجهاز البولي جعدة ، قريص