

An Acute Homoeopathic Management of Urinary Tract Infection in A Child with Congenital Urinary Tract Obstruction

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ABSTRACT

Urinary tract infection (UTI) is a common, distressing, and occasionally life-threatening condition. UTI may be defined as a condition in which bacteria enter, persist and multiply within the urinary tract. The infection is mostly caused by Gram-negative bacteria such as *Escherichia coli*, *Klebsiella*, *Enterobacter*, *Pseudomonas* and *Proteus*. The incidence of UTI is 0.5 to 0.7 episodes per person per year in females of whom 25% of them have recurrences. This is also a common condition in paediatric age group. UTI can be a life-threatening medical emergency. Homoeopathy is a holistic medical practice that treats the patient as a whole. Homoeopathic medicines are a useful alternative to conventional medication offering earlier symptom resolution, cost effectiveness and fewer adverse effects. Urinary tract infection and their complications are most frequent cause of antibiotic prescribing. Antibiotic resistance is a global public health problem. The prevalence of resistant bacteria is rising and organisms resistant to almost all antibiotics have been identified. In the light of antimicrobial resistance, homoeopathy offers alternative strategies in combating the development of antibiotic resistance. In this case study we came to know that medicine given after acute totality collection and repertorization and administered medicine we found the reduction of pus cells in four days.

INTRODUCTION:

Urinary tract infection (UTI) refers to bacterial, viral, or fungal infection of the kidneys, renal pelvis, ureters, or bladder^[1]. The term UTI constitutes various clinical entities: cystitis, urethritis, pyelonephritis, prostatitis and asymptomatic bacteriuria. Uncomplicated UTI refers to acute disease occurring in an anatomically and functionally normal urinary tract^[2]. Complicated UTI refers to infection of any part of the urinary tract with functional or structural urinary abnormalities.

It refers to all infections occurring in patients either with impaired host defence (e.g. diabetes), with abnormal urinary tract function (e.g. pregnancy), or abnormal urinary tract anatomy^[3]. UTIs are classified as Lower UTIs and Upper UTIs. Lower UTIs include cystitis and urethritis while Upper UTI includes pyelonephritis^[1]. UTIs are generally diagnosed by urine culture^[4].

In the majority of UTIs, bacteria establish infection by ascending from the urethra to the bladder. Continuing ascent up the ureter to the kidney is the pathway for most renal parenchymal infections.

Homoeopathy can be defined as a system of therapeutics basing upon the law of similia, which states that a drug, capable of producing in a healthy person a disease state exactly similar to that observed in a diseased person, acts as a curative agent if the disease is in a curable state^[5]. It is an important system of

alternative therapeutics and popular medicine in the world, especially in the Indian subcontinent. Approximately 200 million people take homoeopathic medicines on a daily basis across the world and almost 10% of the population in India use Homoeopathy^[6,7]. Homoeopathic treatment has been found to be very efficacious and cost-effective^[8].

CASE PRESENTATION:

A nine years old female patient presented with the complaint of swelling in eyes since seven days. Complaints are associated with fever for a day and also with vomiting for one day.

HISTORY OF PRESENTING COMPLAINTS:

She was apparently healthy before 1 week, since seven days she is having complaints of swelling in both eyes while waking up which subsides by day passes. After that she developed fever for one day. Associated with nausea and vomiting and abdomen pain for one day, nausea aggravates on night and after eating, vomitus contain undigested food particle. She also has history of increased frequency of micturition at night since 1 day. She doesn't have history of frequency of dysuria and burning micturition.

PAST HISTORY:

History of congenital urinary tract obstruction suspected antenatally and diagnosed postnatally, under homoeopathic treatment for similar complaints.

FAMILY HISTORY: nothing relevant.

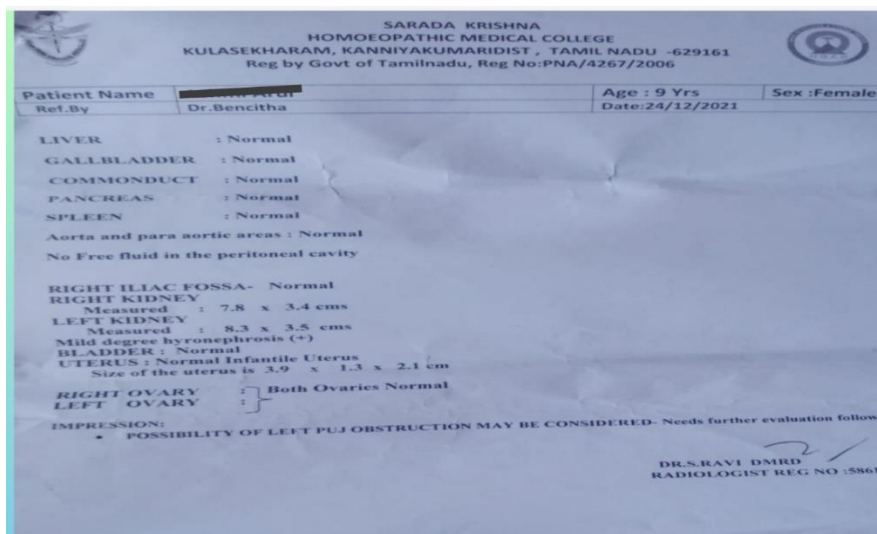
BIRTH HISTORY: LSCS, cried at birth

MILE STONES: normal development of milestones

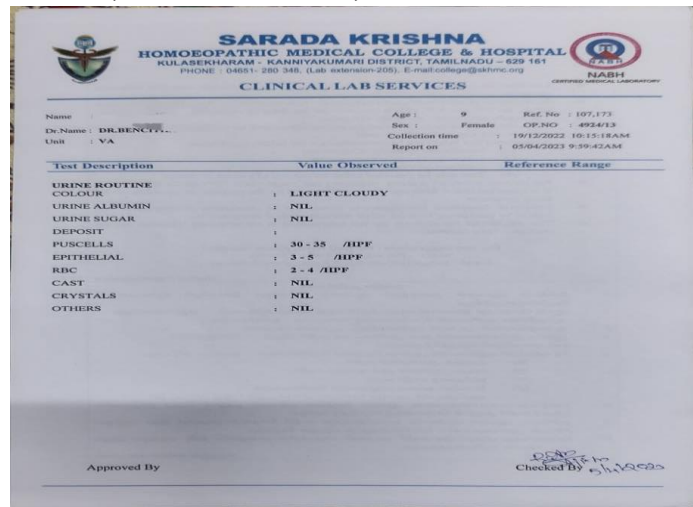
PHYSICAL GENERALS: no altered physical generals except frequent urination at night.

INVESTIGATION:

USG ABDOMEN AND PELVIS:



URINE ROUTINE REPORT : (date : 19/12/2022)



HOMOEOPATHIC ANALYSIS :

Remedy	Apis	Merc	Sep	Kali-c	Sulph	Nit-ac	Phos	Puls	Ars	Calc	Carb-an	Carbn-s	Con	Graph	Lyc
Totality	9	9	8	7	7	6	6	6	6	6	6	6	6	6	6
Symptoms Covered	4	4	3	3	3	4	4	4	3	3	3	3	3	3	3
Kingdom	🐕	🌿	🐕	🌿	🌿	🌿	🌿	🌿	🌿	🌿	🐕	🌿	🌿	🌿	🌿
[Kent] [Face]SWELLING:Eyes:Under: (17)	3	1		3		1	1	1	3						
[Kent] [Bladder]URINATION:Frequent:Night: (116)	2	3	3	2	3	2	1	2	1	3	3	2	2	2	3
[Kent] [Urine]CLOUDY: (138)	3	3	3	2	3	2	3	2	2	2	1	3	3	3	2
[Kent] [Stomach]NAUSEA:Night: (43)	1	2	2		1	1	1	1		1	2	1	1	1	1

PRESCRIPTION:

R_x

Mercurius solubilis 200 1 dose in 10 ml aqua 10 drops Q 2 hourly for four days .

JUSTIFICATION FOR PRESCRIPTION:

From the Aphorism 153 it is stated that in this search for a homoeopathic specific medicine ..the more striking ,singular ,uncommon and peculiar (characteristic) signs and symptoms of the case of the disease are chiefly and most solely to be kept in view ;for it is more particularly these that very similar ones in the list of symptoms of the selected medicine must correspond to ,in order to constitute it the most suitable for effecting the cure .

RESULT AND DISCUSSION:

A nine years old female patient presented with the complaint of swelling in eyes since seven days . Complaints are associated with fever for a day and also with vomiting for one day and the provisional diagnosis was Urinary tract infection .The patient was treated with Mercurius solubilis Hahnemanni 200

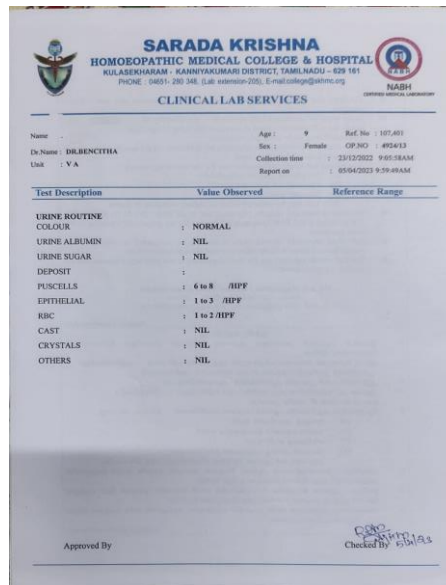
single dose in 10 ml aqua 10 drops for two hourly for five days after repertorization of acute symptoms . Mercurius solubilis Hahnemanni is indicated for night aggravation , cutting and gripping pain in abdomen while urinating ,quantity of urine voided is more than amount drunk ,this is a remedy with syphilitic back ground^[9,10] .

After four days the patient came for follow up where the symptoms got reduced .After administration of individualized medicine urine routine became normal within 4 days .

In the investigation report on 23/12 /2022 the difference is most marked ,the investigation denoted the colour of urine which was previously cloudy changed to light cloudy colour after the administration of similar peculiar medicine after repertorization ,the presence of pus cells get reduced to 6 – 8 /HPF which is almost normal where the previous four days back the investigation report denoted the presence of pus cells are nearly about 30 – 35 /HPF.

INVESTIGATION

URINE ROUTINE (dated : 23/12/2022)



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Test Description	Value Observed	Reference Range
URINE ROUTINE		
COLOUR	: NORMAL	
URINE ALBUMIN	: NIL	
URINE SUGAR	: NIL	
DEPOSIT		
PUSCELLS	: 6 to 8 /HPF	
EPITHELIAL	: 1 to 3 /HPF	
RBC	: 1 to 2 /HPF	
CAST	: NIL	
CRYSTALS	: NIL	
OTHERS	: NIL	

Approved By: _____
Checked By: *SARADA KRISHNA*

CONCLUSION:

In modern medicine ,antibiotic therapy for a minimum period of seven days is required for treating an Urinary tract infection . From this case it is clear that after administration of individualized medicine in homoeopathy the urine routine came to normal with in four days.

This shows the superiority of homoeopathy .In this era of modern medicine ,there is an increasing resistance for commonly used antibiotics, that too in children with congenital urinary tract obstruction the risk of recurrent Urinary tract infection is high which in turn results in increased resistance to antibiotics .

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