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A brief overview of urinary tract infection and its application by using a concise repertory of homoeopathic medicine by Dr. SR Pathak

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Abstract

Urinary tract infection (UTI) is a global condition, which affects both male and female and it is easily overlooked, but if this is not treated tiringly it may lead to serious consequences. Homoeopathy individualize the patient with the process of repertorization by constructing the totality of symptom. In this, author indented to say that A Concise Repertory of Homoeopathic Medicine by Dr.S.R.Phatak is helpful for treating UTI by helping to break through the case and select similimum in bedside.

Keywords: Urinary tract infection (UTI), a concise repertory of homoeopathic medicine by Dr. S. R. Pathak, homeopathy, similimum, repertory

Introduction

Urinary tract infection (UTI) affects urethra, bladder, ureter, and kidney. Its third commonest infection besides respiratory and gastro intestinal. It affects all age. Among 70-80% of girls may experience urinary tract infection at least once in a lifetime. It's more common in female than male but at the age of 55 the incidence is equal in both genders ^[1]. It's a public ill health caused by wide selection of pathogens. It considers as a community and health care burden due wide range of affection and overlooked by others ^[2]. Nowadays development of antibiotic resistance and reduced awareness to urinary tract infection ^[3, 4]. UTI is taken into account as functional disturbance and become careless in considering it but if it doesn't meet with correct treatment in timely it results in serious conditions ^[5].

A Concise Repertory of Homoeopathic Medicine written by Dr. S. R. Phatak is one among the foremost useful alphabetical repertories with its own uniqueness. It lessens the burden of the prescriber in bedside. It's very helpful to pick the similimum in bedside quickly. Mental general, physical general, modalities, organs, pathological and physiological conditions like appetite, aversion, desire, nausea, vomiting, thirst, fever are arranged in alphabetical order and in separate manner [6,7].

Urinary tract infection classified has [8]

- Uncomplicated or lower
- Complicated or upper,
- Recurrent urinary tract infection.

Causative organisms [9]

- Gram positive organism like E.coli, Klebsiella species etc.
- Gram negative organism- Staphylococcus and Streptococcus species, Neisseria gonorrhoea
- Other pathogens which are sexually transmitted.

Routes of infection [10, 8]

- Ascending: it is the commonest route of infection because the organisms enter from anorectal region, lower vagina and vulva enters through the urethra and then moves to urinary bladder and kidney.
- **Haematogenous:** infection from other sites to the kidney.

 Lymphatic: Affection of kidney by peri ureteral lymphatic from bladder.

Symptomatic features [11]

Typical features of cystitis and urethritis include:

- A sudden increase in frequency and urgency to urinate
- Burning pain in the urethra when urinating (dysuria)
- Abdominal pain during and after urinating
- The desire to urinate more often after urinating, due to
- Spasms of inflamed bladder walls (dysuria)
- Urine may be cloudy and have an unpleasant odour
- Invisible or visible haematuria
- Discharge from urethra which is foetid or mucus

Diagnostic criteria according to original MC Geer Criteria $^{[12]}$

- Fever is ≥ 38 degree Celsius
- Burning pain on urination and changes in frequency or urgency.
- Supra pubic tenderness,
- Change in nature of urine,
- Aggravation of mental or functional status

Investigation [13]

- Urine Routine
- Ultrasonography
- X-ray abdomen
- Intravenous urography
- Computed tomography
- Isotope Reno graphy using Technetium (99Tc) labelled di mercapto succinic acid (DMSA)
- Micturating cystourethro graphy
- Cystoscopy
- Urine culture

Features of Concise Repertory

It has a placed in Logico utility group, as Boenninghausen, Boger, and so forth. The Logico utility group doesn't mind an unnecessary measure of about the specific words, yet gives exceptional worth to the specific nature and significance of the symptoms [14].

Concept of Totality

This is an enhanced version of synoptic key by Dr. C. M. Boger. He agreed with Boenninghausen and Boger's approach to patients, along with modalities, concomittant, physical and mental generals, and psychological state. He is given importance to the grand generalization of symptoms. He places a great deal of importance on the circumstance and the underlying reasons [15].

Typography of this repertory is 3rd grade for bold, 2nd grade for italic, 1st grade for roman. + Symbol represents additional medicine in last edition. He also indicated grade of symptoms are not important if the symptoms are peculiar or unique ⁽¹⁶⁾.

Some of the common rubric with remedies in this repertory for UTI $^{[17]}$

- Urinary organs in general: Aco; AP; Arn; Ars; Bell; Berb; Cale; Cam; Cann; CANTH; Gaus; Dul; Fer; Hell; Hep; Hyo; Lye; Mere; Mere-e; Nat-m; Nit-ac; Nux-v; Op; Par-b; Pho; Pho-ac; Polyg; PUL; Rhus-t; Sars; Seil; Stap+; Sul; Terb; Til; Thu; Val; Ver-a.
- Urethra Burning: Aco; Ars; Berb; Cam; Cann; Canth;

- Mere; *Mere-c*; Nux-v; Pru-sp; Sil; Sul; Thu.
- Urination, Before AGG (crying etc): Aco; Bor;
 Canth; Colo; Lye; NUX-V; PUL; Sanic; Sars.
- Urination, at start of AGG: Aeo; Canth; Clem; Mere.
- Urination, During AGG: Aesc; Alo; Berb; Cann; Canth; Hep; Lil-t; Lye; MERC; Nux-v; Pho-ac; PUL; Sep; Sul; THU.
- Urination, at close of AGG: Canth; Equi; Merc-c; Mez; Nat-m; Sars.
- Urination, After AGG: Cann; Canth; Colo; Equis;
 Hep; Med; Mere; MERC-C; Nat-m; Petros; Stap; THU.
- Urination, AMEL: Chin-s; Gel; Jgn; Lith; Lye; Pho-ac; Sang: Sil: Ver-a.
- Urination, Desire, morbid urging: Ant-t; Ap; Arg-n; Bell; Berb; Bry; Cam; Cann; CANTH; Gaus; Chin; Ip; Kali-c; Lil-t; MERC-C; Nat-m; NUX-V; Pho-ae; Pul; Sabi; Sars; Scil; Sep; Stap; SUL; Thu.
- Urination, desire, Fruitless, ineffectual: Arn; Ars;
 Canth; Caps+; Caus; Chim; Dig; Hell; Hyo; MERC-C;
 Nit-ac; NUX-V; Op; Pho; Pho-ac; Pul; Sars; Stram.
- Urination, Difficult, painful, dysuria, strangury: Aco; Arg-n; Ars; Bell; Cann; CANTH; Caps+; Cham; Cop; Dig; Dul+; Erig; Hyo; Lil-t; Lye; MERC-C; NUX-V; Op; Par-b; Petros; Plb; Pru-sp; Pul; Sabal; Sars; Stap; Sul; Terb.
- Urination Dribbling: CANTH; Ca us; Clem; Dig; Kali-m; Lil-t; Mere; Merc-c; Nux-v; Pic-ac; Plb; Polyg; Pul; Sele; Stap; Sul; Tab; Terb.
- Urination, Feeble, slow, weak: Alu; Arg-n; Arn; Caus;
 Clem; Hell; HEP; Lye; Mere; Merc-c; Mur-ac; Nat-m;
 Op; Rhus-t; Sars; Sep; Sul; Thu.
- Urination, Frequent: Alu; Ap; Arg-m; Arg-n; Bar-c; Cale; Canth; Caus; Grap; Hyo; Ign; Kali-io; Kali-n; Kre; Lye; Mang; MERC; MERC-C; NUX-V; Psor; Pul; Rhus-t; Seil; Stap; Sul; Thu; Vib.
- Urination, Hurried, sudden, irresistible: Arn; Bry;
 Canth; Clem; KRE; Nux-v; Petros; Pho; Pho-ac; Pul;
 Rum; Sanic; Seil; SEP; SUL; Thu.
- Urination, Infrequent, seldom: Ap; Canth; Lac-c; Lob; Nux-v; Op; Seil.
- **URINATION, Interrupted, intermittent:** Agar; Antc; Ap; Carb-an; Caus; *Clem;,Con;* Gel; Hep; Kali-c; Kali-p+; Led; Lye; Op; Sabal; Sars; Sul; Thu.
- Urination, Involuntary: Ail; Ap; Ars; Ars-io; Bell; CAUS; Dul; Fer; Hyo; Lye; Nat-m; Nux-m; Pho; Psor; Pul; Rhus-t; Sabal; Sec; Sep; Stap; Uran-n +.
- Urination, Unsatisfactory, imcomplete: Ars; Caus; Clem; Hep; Lach; Mag-m; Sele.
- Urine, Acrid: Arn; Benz-ac; Hep; Laur; Lye; Med; Mere; Merc-c; Pul; Sul; Urt.
- Urine, Ammoniacal, strong odour: Asaf; Benz-ac; Iod; Med; Mos; Nit-ac; Pho; Pic-ac; Stro.
- Urine, Bloody (See Haematuria and Haemorrhage): *Arn*; Ars; Ip; Merc-c; *Pho*; Sec; Seil; Senec; *Terb*.
- Urine, Cloudy: Ap; Berb; Bry; Canth; Carb-v; Chel; Chin; CINA; Con; Grap; MERC; Myr; Pho; Pho-ac; Saba; Sep; Sul.
- Urine, Dark: Aco; Ant-t; Ap; Bell; Benz-ac; Bry; Cale; Chel; Coleh; Lach; Mere; Sele; Sep; Solid; Terb; Ver-a.
- Urine, Foul, offensive: Ap; Arn; Bap; Benz-ac; Cale; Carb-v; DUL; Kre+; Nit-ac; Pul; SEP; Solid; Sul; Tarn; Thu.
- Urine, Hot, burning: Alo; Ap; Ars; BELL; Benz-ac;
 Bor; Cam; Cann; Canth; Cub; Hep; Lil-t; Med; Mere;

Merc-c; Nat-c; Nat-s; Nit-ac; Nux-v; Senec; Sep; Sul; Thu: Uva.

- Urine, Profuse, copious, increased (polyuria): Acetac; Alo; *Arg-m;* Arg-n; Cann; Cep; Cimi; Gel; Kre; Lac-c; Led; *Lye;* Lycps; Mere; Mos; *Mur-ae;* Nat-c; Nat-s; ol-an; *Pho; Pho-ac;* Plant; Pul; *Rhus-t; Scil;* Scop; *Spig;* Sul; Thu; Uran-n; Val; *Verb;* Vib.
- Urine, retained (in bladder): ACO; Am-c; Ap; Arn; Ars; Bell; Cam; CANTH; Caus; Con; Erig; Gel; Hell; Hep; Hyo; LYC; Nux-v; Op; Par-b; Pul; Tarn; Terb.
- Urine, Sandy: Am-c; Benz-ac; Coc-c; Led; LYC; Pho; Sars; Sele; Sep; Sil; Sul-io; Tam; Zin.
- Urine, Scanty: AP; Ars; Aru-t; Bry; CANTH; Colch; Con; Dig; Dul; Grap; HELL; Hyo+; Hypr; Kali-n; Led; Lil-t; Lye; Mere; Merc-c; Nat-s; Nit-ac; Op; Pho; Plb; Polyg; Pul; Rhus-t; Rut; Sars; Sele; Sep; Solid; Stap; Sul; Sul-io; Terb; Til; Ver-a.
- **Urine, Sediment:** Amb; Canth; Colo; *Lye*; Mere; Phoac; Pul; Sars; *Sep*; Val; Zin.
- Urine, Mucous: Benz-ac; Berb; Chim; Equi; Merc-c; Nat-m; Par-b; Pul; Sars; Sep; Terb.
- Urine, Red, brick dust: Arn; Ars; Bry; Canth; Chin; Dig; Kali-c; Lob; LYC; Merc-c; Nat-m; Par-b; Pho; PUL; Sele; Senec; SEP; Tarn; Val.
- Urine, Suppressed: ACO; Ap; Arn; Ars; Cam; CANTH; Carb-v; Lach; Laur; Lob; LYC; Pul; Sec; Solid; STRAM; Urt+; Ver-a.
- BLADDER (Urinary) Affections in general: Aco;
 Ap; Bell; Benz-ac; Canth; Caus; Colo; Dul; Equi; Hyo;
 Lach; Lye; Merc-c; Nux-v; PUL; Rut; Sabal; Sars; Sep;
 Stap: Sul; Uva.
- Bladder, Burning: Berb; CANTH; Caps; Cep; Merc-c; Pul; Rhe; Senec; Terb; Zin-ar.
- Bladder, Inflamed: Aco; Ap; Bell; Canth; Cub+; Equi;
 Lach; Lye; Polyg; Sars; Solid; Terb.
- Bladder, Tenesmus: Agar; Ars; Bell; Cann; CANTH;
 Dig; Dul; Equi; Lil-t; MERC-C; Par-b; Plb; Pru-sp;
 Sul; Terb; Thu.

Common Medicine in This Repertory with Its Homoeopathic Point of View $^{[18,\,19,\,20]}$

1. Cantharis vesicatoria

Spanish fly is the name for it. Its primary effect is to distort the function of the urine and sexual organs while also causing acute inflammation and manic insanity. The mucous and serous membranes are prone to extremely acute or quickly destructive inflammation. Pain sensations might be sharp, biting, searing, or raw. Dysuria and hydrophobic symptoms during convulsions in any diseased situation, this is an effective treatment for painful urination. Quite sensitive around the kidneys. Scorching, burning urine that is also accompanied by intolerable cutting pain and a dread of tenesm us or dribbling stumbling, dysuria, blood in the urine. A gnawing feeling in the bladder acute nephritis, cystitis, and Dropsy are among the kidney diseases. The glans penis can be compressed, which partly improves renal colic. Condition improved by warmth, rest, and massaging; deteriorated by urination.

2. Pulsatilla pratensis

Symptoms that change or shift. Remedy for a woman who is kind, gentle, and prone to crying easily. Complaint of digestive and menstrual disorders coupled with a lack of thirst, a cold, and shortness of breath. Especially in young

girls, urination happens involuntarily while one is sleeping, laughing, coughing, sneezing, hearing a loud noise, experiencing shock or excitement, passing gas, or lying down. Haemorrhagic urine and severe pressure or cramping after urinating. Sensation similar to a bladder stone rolling. When angered, urine drips. The urethral stricture in this urine occurs in drops or in stops and starts.

Warmth, wet feet, rest, and after urinating make complaints worse; fresh air, cold meals, gentle motion, switching sides, massage, and laying with one's head high make complaints better.

3. Lycopodium clavatum

It's referred to as vegetable sulphur. Patients with Lycopodium have strong minds but weak muscles, a lack of vital heat, poor circulation, a feeling of stagnation, and chilly, numb extremities or patches of numbness. Lycopodium acts on the urinary organs, and most symptoms start on the right side and proceed to the left. Anger or jerks may cause symptoms or pain to appear suddenly. Gallstones and gravel calculi. Pushing you to urinate more frequently while driving. Ureter to bladder renal colic on the right. Particularly in infants who awaken from pain by yelling and flailing their limbs, pee is scarce and screams before passing; red sand urine is slow to come, must strain to pass, is suppressed, and is retained. Milky, scalding hot, and turbid urine. There is increased polyuria at night. Haematuria. A sudden urge to urinate, often when sick or alarmed during coitus. With paraplegia or occasionally with constipation, the urine is bloody.

From 4 to 8 p.m., complaints are worse due to warmth and clothing pressure. Stormy weather, precipitation, and pressure Milk, vegetables such as cabbage and beans, bread, pastries, and warm beverages and foods are best before or after suppressed menstruation. Applications that are cold, in motion, eructate while urinating, and after midnight.

4. Sulphur

Aversion of washing, which always gets worse after a bath. Frequent urinating, particularly at night. Bedwetting, especially in messy, scrofulous kids. Urine with pus and mucus. Large amounts of colourless urine with oily particles on top. Itching and burning in the urethra during and after urination. Urine urge strikes suddenly; move quickly. Uncontrollable urination when coughing or passing gas. Retention, painful ineffective urination attempts, and every cold settling in the bladder. The stream is intermittent and thin

Suppressions have worsened complaints. Taking a bath, heating milk, being too active, lying in wool, and atmospheric changes Talking, Occasionally, 11 a.m., Climacteric, Full moon, Standing, crouching, reaching high, Sweets, looking down, crossing rushing water, Vaccination, Suppressed heaps; and improved by Fresh air, Activity, Perspiring, Dry Warmer Weather, Laying on Right Side.

5. Mercurius corrosivus

It has a strong disinfection effect and acts considerably more quickly, with violent results. Along with bladder tenesm us, it induces rectus tenesm us. Inflammation that includes swelling, a sense of internal constriction, and internal burning in the neck of the bladder, kidneys, etc. Drop by drop, scalding, searing urine is expelled. In a sitting position, the dribbling becomes more frequent, bloody,

repressed, and sparse. Urine causes bleeding in the urethra. Nephritis. Pregnancy albuminuria, cystitis, gonorrhoea, paraphimos is having a kidney bleed after urinating, sweats. After urination and stools, night, cold, autumn, hot days and cool nights, and acids, the complaint worsens; it gets better with rest.

6. Mercurius solubilis

Patient is trembling, frail, and perspiring. Pus-filled, bloody, thin, and greenish suppurations, offensiveness of body and breath secretions. Eye, tooth, and nasal discharge yellowness, biliousness, and jaundice. Parts feel raw and sore and are greatly swollen. Both heat and cold sensitive; frequently urged to urinate throughout the day and night, producing abundant or sparse urine. Itchy skin and frequent urination are both caused by urine. Urine is crimson and dark due to albuminuria. Burning feeling following urination. Very tiny urine stream, yet dysuria. A haematuria has no discomfort.

Complaint: Night time air is worse and heated by a fire or a bed. Head draughts, Changes in the weather, clouds, dampness, touching anything cold, while urinating or right after, and better by moderate temperatures, coitus, and rest.

7. Apis mellifica

The most common symptoms for choosing this remedy are the well-known sensations of a bee sting, including burning, stinging and lancinating pain with significant swelling. The burning feels like hot needles, and he is extremely weak as if he has worked very hard, forcing him to lie down. Rapidly manifesting symptoms and acute aches force people to cry out. Dysuria and stinging sensations together with cystitis. urine retention in new-borns, Milky urine in hydrocephalus, sparse, unpleasant, highly coloured, and last drops that burn sluggish, difficult, or frequent urination Albuminuria, Can't urinate without a stool, very frequent urination, coffee grounds sediment, Coughing and urine incontinence that is worse at night; nephritis.

Complaint worsens in heat, hot beverages, hot baths, heated beds, and touch (even of hair), about 4 o'clock; it is improved by cool air, cool bathing, uncovering and sitting up straight.

8. Nux vomica

It is helpful for people who have sedentary lives and perform a lot of mental work, as well as for people who are stressed out from long hours at the workplace and worry about their jobs. To forget their tension and the negative impact it has on them, they overindulge in alcohol, women, rich foods with stimulants, and tranquil medications. The typical person tends to be frail, spare, fast, active, tense, and irritated. It has an impact on the nerves, leading to hypersensitivity and excessive perceiving power in both the mind and body. With discomfort radiating to the legs and genitalia and urine dribbling, renal colic (right) is relieved by laying on one's back. Painfully futile urging to use the restroom. Haematuria brought on by menstruation or suppressed haemorrhoidal flow. Spasmodic strangulation, spasmodic urethral stricture, bladder paralysis; enlarged prostate or gonorrhoea in older men. Urine dribbles and is produced involuntarily when laughing, coughing, or sneezing. Worse complaints about high living, coffee, condiments, alcohol, narcotics, purgatives, overeating, and sedentary behaviour, Sleep disturbances, disappointment in

goals, honour damage, and mental shock; and improved by free discharges, lying on one's side, hot beverages, milk, fats, moist air.

9. Sepia officinalis

First-sleep uncontrollable urination that is worsened by coughing, sneezing, laughing, hearing a loud noise, being scared or distracted, especially in women, etc. Slow urination coupled with a pressing sensation above the pubis. The sediment in urine is either adhering red sand or thick, nasty white grit. Before urinating, there is a cutting pain in the bladder and weak, sluggish urine. The urine is white and bloody. Unattended urging of urine can cause a shuddering sensation.

Worse complaint due to excess sexual behaviour. before menstruation, Pregnancy, abortion, washing clothing, and made better by jerky motions, bed warmth, pressure, hot contact, or crossing or pulling limbs up.

10. Sarasaparilla

The genito-urinary organs are its primary site of action. Screaming during painful urination, which is particularly bad as it closes, passes a few drops of blood or a white, acrid substance after urinating, Urine can be passed when standing during the day but easily throughout the night. Urine dribbles while sitting, prompting the need to urinate before menstruation. Diaper deposits that resemble sand, crusty urinary sediment, Urination causes the bladder to release air. Back to stomach pain in the urethra and jerking along the urethra. Right: Pus evident in the urine and renal colic.

Yawning, motion, and moving up and down stairs make the complaint worse. Standing up and uncovering the neck and chest make it better.

Other Peculiar Rubric for UTI in this repertory

Urination, dribbling, forceps
delivery, after
Urination, feeble, slow, weak,
difficulty in breathing and heart
symptoms, with
Urination, frequent, every 10-15
minutes
Urination, inability to pass,
during pain
Urination, involuntary, train catching, while
position, in
Urination, uneasy feeling
,, g
Urine, raspberry, smell like
crine, ruspeerry, smerr me
Urine, retained, whistling amel
Bladder, navel, alternating with
Bladder, thick

Conclusion

Concise repertory of Homoeopathic medicine helps to select similimum based on both acute and pathological conditions in bedside. It also helps to select similimum by generalization of symptoms which said by Dr. Boenninghausen. Infections of the urinary tract are the most prevalent disease across all age groups and genders, which causes great discomfort where A Concise Repertory of Homoeopathic medicine helps to understand the patient and helps to choose the similimum based on its pathological condition and also symptoms in acute state.

Conflict of Interest

Not available

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