A REVIEW ON ANTI-CANCER PROPERTY OF GOMUTRA, A RAY OF HOPE FOR CANCER PATIENTS

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ABSTRACT

Ayurveda is the science of life. Ayurvedic literatures are treasure house of therapeutic substances of animal origin, Mutra (urine) is one of them and Gomutra (cow urine) is best among mutra varga dravyas. Gomutra (Cow urine) has a unique place in Ayurveda and has been described in ‘Charak Samhita’, ‘Sushruta Samhita’ and ‘Ashtanga Sangraha & Hridaya’ to be the most effective substance/secretion of animal origin with innumerable therapeutic values. Cow is a mobile dispensary. Its urine is capable of curing several curable and incurable diseases. It has shown potent Anti Cancer properties. Acharya sushruta has mentioned the external application of mutra i.e. gomutra in the treatment of kaphaj Arbuda (cancer caused by vitiation of kapha dosha). Cow urine therapy has proved effective in reducing the suffering of patients affected by various types of cancer, cysts, tumours and neoplasm.

Keywords: Ayurveda, Gomutra, Cow urine, Anti cancer property, Kaphaj Arbuda.

INTRODUCTION

Ayurveda, being the science, art and philosophy of life, incorporates holistic approach for health. Ayurvedic literatures are treasure house of therapeutic substances of animal origin, Mutra (urine) is one of them and Gomutra (cow urine) is best among them. Gomutra (Cow urine) has a unique place in Ayurveda and has been described in ‘Charak Samhita’, ‘Sushruta Samhita’ and ‘Ashtanga Sangraha & Hridaya’ to be the most effective substance/secretion of animal origin with innumerable therapeutic values. In India, drinking of Gomutra (cow urine) has been practiced for thousands of years. It is an important ingredient of panchgavya, a term used to describe five major substances (urine, milk, ghee, curd and dung), obtained from cow. The use of panchgavya in the treatment, termed as ‘panchgavya therapy’ or ‘cowpathy’, has been reported to be beneficial even for dreaded diseases like cancer, AIDS and diabetes.

Rationale of Urine Therapy:-
The rationale of the therapy is that urine is a byproduct of blood filtration, not excess water from consumed food and liquid. In fact, the medical term for urine is plasma ultra filtrate. Blood filled with nutrients passes through the liver where toxins are filtered out and excreted as solid waste matter. This purified blood then travels to the kidneys where any excess elements form urine is then eliminated from the body. As urine passes through the urethra, it is a sterile solution. Ninety-five percent of it is water; the remaining five percent is a combination of urea, vitamins, minerals, enzymes, hormones, proteins, and antibodies. Urine therapy advocates argue that the presence of these nutrients is proof of urine's medicinal powers. Urea is an antibacterial, antifungal and antiviral agent that forms when the body balances its ratio of sodium chloride to water. Urea is often used to make ointments and lotions for its properties of reducing inflammation and ability to kill bacteria. Precautions are taken to ensure the purity and quality of the urine. The first urine of the day and the mid-stream urine is the best sample. Before collecting the sample, it is necessary to wash the genital area thoroughly. After taking the urine into the body, individuals should refrain from eating anything for at least half an hour.

Properties of Gomutra (cow urine):-
As described in Ayurveda classics -

A) In Charak Samhita:-

(C.Su.1/101)
Urine of cow is slightly sweet, it also alleviates doshas. It is bactericidal. It cures kushtha (obstinate skin diseases including leprosy). If taken in, it alleviates pruritus. It is equally useful for dosha and udara.

B) By Acharya Sushruta:-

\textbf{गोमू।glyph288ं} \\
\textbf{लघुगृहिणीयतः सक्षारायणं वालमम।} \\
\textbf{लघुगृहिणी। glyph297यं पितलं कक्षातातिजी।} \\
\textbf{शुल्गृहिणी। glyph299योधरानां विवेकास्थापनादिकु।} \\
\textbf{हृद्ययोगसाधायेषु गव्यं मृत्वं प्रयोजयेन।} \\

(S. Su.45/220,221)

Means urine of cow is astringent, sharp, hot, alkaline, not vitiating vata dosha, light in nature, enhances digestive power, improves intellect, increases pitta & controls kapha & vata doshas.

It is indicated to be used in shool, gulma roga, anah, for purification, in asthapana vasti and in all those diseases which are curable with urine therapy (mainly caused by predominance of vitiation of kapha dosha).

C) By Acharya Vagbhata:-

In Astanga hridaya & Astanga sangriha, Acharya Vagbhata described ashta mutra. He described only general properties of ashta mutra including Gomutra and considered it to be the best urine among the ashta mutra.

... 

\textbf{दोषपानं पाचनं भैदिकतः गोमू।glyph288ं गुत्तमं।} \\

(A. s. 6/143)

\textbf{Properties of cow-urine in accordance with modern view:-}

1. Cow urine has amazing germicidal power to kill varieties of germs. All germ generated diseases are thus destroyed.

2. According to Ayurveda the cause of all diseases is the imbalance in tridosas .Cow urine balances the tridosas, thus diseases are cured.

3. Cow urine corrects functioning of liver. So, liver makes healthy pure blood. It gives disease resistance power to the body.

4. There are some micronutrients in our body, which give life strength. These micronutrients are flushed out through urine. Therefore gradually ageing steps in our body. Cow urine has all elements, which compensate for deficiency of nutrients in our body, which are required for healthy life. Thus Cow urine stops ageing process. So it is called an elixir and also life giving.

5. Cow urine contains many minerals especially copper, gold salts, etc. It compensates for bodily mineral deficiency. Presence of gold salts protects body against diseases.

6. Mental tension hurts nervous system. Cow urine is called medhya and hridaya, which means it, gives strength to brain and heart. Thus cow urine protects heart and brain from damages caused by mental tension and protects these organs from disorders and diseases.

7. In scriptures some diseases are said to be due to sinful actions performed in previous lives like kushtha, svitra, udara roga and krimija shiroroga by Acharya Charak ,which we have to bear. Ganga resides in cow urine. Ganga is destroyer of sins, thus cow urine destroys such previous sins and so diseases are cured.

8. \textit{“Rogah sarve-api mande agnau”}

All diseases begin with mandagni i.e. low digestive capacity. Cow urine is a good appetiser so protects us from diseases. Etc.

9. For external application, new or old urine can be used. Since older urine has a higher concentration of ammonia, it is more effective against skin diseases and rashes. To make the urine old, it should be stored in a dark bottle and closed tightly and kept away from the sun for 3-4 days

\textbf{Quantitative Chemical Constitution of Cow Urine:-}

<table>
<thead>
<tr>
<th>Biochemical Properties of Chemical Constituent of Cow Urine:</th>
<th>1 Specific gravity</th>
<th>- 1.025-1.045</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 P&lt;sup&gt;h&lt;/sup&gt;</td>
<td>-7.4- 8.4</td>
</tr>
<tr>
<td></td>
<td>3Urea nitrogen</td>
<td>- 23-28 ml/kg/day</td>
</tr>
<tr>
<td></td>
<td>4 Ammonia nitrogen</td>
<td>- 1.0-1.7 ml/kg/day</td>
</tr>
<tr>
<td></td>
<td>5 Total nitrogen</td>
<td>- 40- 45 ml/kg/day</td>
</tr>
<tr>
<td></td>
<td>6 Allantoins</td>
<td>-20-60 ml/kg/day</td>
</tr>
<tr>
<td></td>
<td>7 Calcium</td>
<td>-0.1-1.4 mmol/kg/day</td>
</tr>
<tr>
<td></td>
<td>8 Chloride</td>
<td>-0.1-1.1 mmol/kg/day</td>
</tr>
<tr>
<td></td>
<td>9 Corproporphyrin</td>
<td>- 5-14microgram/dl</td>
</tr>
<tr>
<td></td>
<td>10 Magnesium</td>
<td>- 3 mg/kg/day</td>
</tr>
<tr>
<td></td>
<td>11 Creatine</td>
<td>- 15-20 mg/kg/day</td>
</tr>
<tr>
<td></td>
<td>12 Potassium</td>
<td>-0.08-0.15mmol/kg/day</td>
</tr>
<tr>
<td></td>
<td>13 Na&lt;sub&gt;+&lt;/sub&gt;</td>
<td>-0.2-1.1 mmol/kg/day</td>
</tr>
<tr>
<td></td>
<td>14 Sulphate</td>
<td>- 3-5 mg/kg/day</td>
</tr>
<tr>
<td></td>
<td>15 Uric acid</td>
<td>- 1-4 mg/kg/day</td>
</tr>
<tr>
<td></td>
<td>16 Glucose</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>17 Protein</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>18 Hb</td>
<td>Nil</td>
</tr>
</tbody>
</table>

\textbf{Enzymes:-}

- Lactate-Dehydrogenase -21.780 unit lt
- Alkaline Phosphotase -110.110 KA Unit
- Acid Phosphotase -456.620 XA unit
- Amylase -90.236 unit

\textbf{Vitamins:-}

- Vit-c - 216.408mg|lt
- Vit-B1 - 444.125 microgram|lt
- Vit-B2 - 0.6339mg|lt

\textbf{Other chemicals:-}

- Protein - 0.1037 gm|lt
- Uric Acid - 135.028mg|lt
- Creatinine - 0.9970 g|lt
- Lactate - 3.7830 milimole|lt
- Phenol - 4.7580mg/100ml
- Free volatile phenol - 0.7130mg/100ml
- Compound volatile phenol - 1.3420mg/100ml
- Aromatic hydroxy acid - 2.7030mg/100ml
- Calcium - 5.735 milimol|lt
- Phosphorous -0.4850milimol|lt

\textbf{Biochemical Properties of Chemical Constituent of Cow Urine:-}

1. Urea: Product of Protein metabolism.Strong antimicrobial Agent.
2. Uric acid: Antimicrobial Activity helps to control infections.
4. Sulphur: Purifies blood, increases intestinal peristalsis
5. Copper: Controls fat deposition.
7. Sodium: Purifies blood, checks hyperacidity.
8. Potassium: Appetizer, eliminates muscles Fatigue
9. Other Salt: Antibacterial
10. Carabolic Acid: Antibacterial prevents Gas Gangrenes.
11. Ammonia: helps to maintain Integrity of body tissue & blood.
12. Sugar-Lactose: Prevents thirst & Giddiness
14. Creatinine: Antibacterial
15. Aurum hydroxide: Antibacterial, improves immunity, acts as antidote (Swarna Kshara)
17. Colony Stimulating factor: Effective for cell division & multiplication.
18. Erythropoietin stimulating factor: Production of RBCs.

Anti Cancer properties of cow Urine (go-mutra):

Acharya sushruta has mentioned the external application of gomutra i.e. gomutra in the treatment of kaphaj Arbuda (cancer caused by vitiation of kapha dosha.)

Cow Urine has kapha shamaka property so it will normalise the kapha dosha.

Cow urine has lekhana property which is potentiated by addition of kapota and paravata vit (i.e faecal matter) thus arbuda will be eroded and thus removed.

With khara, cow urine shows additive effects.

The internal use of cow urine in the treatment of cancer can be justified in the light of modern science as follows:
The cow Urine Therapy has shown potent Anti Cancer properties. The following virtues are responsible for Anti Cancer property of Go-mutra:-

DNA repairing potential
- Cow urine efficiently repairs the damaged DNA. Damage of DNA by chemicals is the major cause for Cancer.
- This property reduces the spread of malignant cancers and helps fighting tumour.

Apoptosis inhibition
- Lymphocytes undergo suicidal tendency due to chemicals.
- Lymphocytes are major cells, which fight against cancer cells. Cow urine reduces apoptosis of Lymphocytes.

Antioxidant Property
- The volatile fatty acids show antioxidant properties which controls damage in DNA.

Antimicrobial Activity
- Many viruses are causing cancer. These microbes are killed by cow urine.

Bioenhancing Property
- Bio-enhancers are substances which promote and augment the bioactivity or bio-availability or uptake of drugs.
- This will reduce the dosage & duration of antibiotic therapy and anticancer drugs like Taxol.

Free radical scavenger
- The free radicals cause cell damage thereby inducing tumour cell growth or causes aging. Cow urine scavenges free radicals.

Immuno-modulating activity
Cow Urine has vital potential to enhance the activity of macrophages. Lymphocytes (both T & B cells) humoral cellular immunity, cytokines (Interleukin 1 & 2)

Research and Development
- CCRAS, research wing of AYUSH (Government of India) has researched on herbs for its anti cancer properties and pharmacological activities as per modern science.
- These herbal extracts which have established anti-cancer properties are processed with cow urine in a ultra modern Ayurvedic pharmaceutical industry.
- Cow Urine has been researched and patented for its ability to improve efficacy and absorption of anti cancer drugs of modern medicine (allopath) and herbal extract.
- Hence our Ayurveda medicines made of cow urine and herbal extracts are effective for Cancer.

Cancer care:
- Cow urine therapy has proved effective in reducing the suffering of patients affected by various types of cancer, cysts, tumours and neoplasm.
- The clinical studies have shown that cow urine helps to get relief from the following cancers/diseases:-
  - Breast Cancer
  - Cervical/ Cervix Cancer
• Ovarian Cancer
• Blood Cancer CLL, ALL and CML
• Leukemia
• Lymphoma
• Multiple Myeloma
• Bone Cancer
• Oral Cancer
• Mouth Cancer etc.

Dose and method of use of cow urine

*Go mutra* can be taken by any healthy individual also like a health tonic. It is best when taken in empty stomach early morning, for adults 10 to 20 ml is good. No side effect is so far reported, but the authenticity of the product must be assured before consuming.

It is recommended to use only the urine obtained from the pure Indian breed of cows as only it is *gomutra*, not the urine of foreign breeds.

CONCLUSION

In this we can conclude that Cow is a mobile dispensary. It is the treasure of medicines. The cow urine therapy is capable of curing several curable and incurable diseases including cancers. With this cow urine therapy of Indian System of Medicine many patients are benefited. It helps in controlling the further growth of diseases and works on relieving it slowly. Cow urine therapy has proved effective in reducing the suffering of patients affected by various types of cancer, cysts, tumours and neoplasm. It acts as restoratives after severe illness, exhaustion and physical debility during cancer, hence increases life span. It helps in fighting the cancer associated anaemic conditions, perhaps due to presence of erythropoietin hormone. As a part of integrated medicine, patient can take cow urine therapy along with allopathy also. Cow urine increases efficiency of allopathy and reduces side effects, it has earned USA patent for the same.

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