

## AGRICULTURE AND THERAPEUTIC USES OF COW URINE

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### ABSTRACT

*Cow in India is concurred an extraordinary status in the society. In Indian convention bovine pee is accepted to have restorative properties. The utilization of cow pee in India can be followed back to the Vedic and likely prevedic period also. Cow pee contains all substances, which are actually present in the human body. Along these lines, utilization of cow pee keeps up the adjust of these substances and this cures hopeless sicknesses. It is common, eco-accommodating with no lingering impacts, sparing and effectively accessible, consequently can be saddled as potential remedial agent. A loads of research has been led in Cow Urine Treatment and Research Centre, Indore in the course of recent years and it has been accounted for that gaumutra is equipped for curing circulatory strain, blockage in supply routes, joint pain, diabetes, heart assault, malignancy, thyroid, asthma, psoriasis, skin inflammation, prostrate, fits, AIDS, heaps, headache, ulcer, causticity, obstruction, gynaecological issues, ear and nose issues and a few different sicknesses. Go-mutra (distilled cow pee) treatment gives a particularly rich and provocative research theme. The old sacred texts of ayurveda consider cow pee to be the mixture of life. It is the best normal cure also, the most secure technique for treatment offered to us by nature. Be that as it may, there is still a need to investigate additionally inquire about possibilities to demonstrate Cow pee as a potential solution which thus would lessen the weight on the current utilization of chemicals and anti-toxins. We should trust this pee treatment could open entryways for curing extensive variety of ghastly infections.*

**Keywords:** Cow urine, cow urine distillation process, panchagawya, cow urine therapy

### 1. INTRODUCTION

Indian dairy animals pee is capable drug in ayurvedic side. 'The dairy animals' is a portable restorative dispensary and cow pee is a panacea of all maladies. The bovine pee, one of the elements of "Panchagawya" is fit for regarding numerous reparable and additionally hopeless illnesses and has been utilized widely in ayurvedic arrangements since time immemorial as referred to in antiquated blessed writings like Charaka Samhita, Sushruta Samhita, Vridhabhagabhatt, Atharva Veda, Bhavaprakash, Rajni Ghuntu, Amritasagar, and so forth. Indian dairy animals panchagawya's items. A loads of research has been directed in Cow Urine Treatment and Research Centre, Indore in the course of recent

years and it has been accounted for that gaumutra is equipped for curing circulatory strain, blockage in conduits, joint pain, diabetes, heart assault, growth, thyroid, asthma, psoriasis, skin inflammation, prostrate, fits, AIDS, heaps, headache, ulcer, causticity, obstruction, gynecological issues, ear and nose issues and a few other illnesses. The utilization of dairy animals pee in India can be followed back to the Vedic and presumably prevedic period too. Dairy animals pee all things considered has been most generally alluded, utilized and worshiped creature pee attributable to its massive remedial strength. While remotely it has been utilized as salve, balms and shower, in any case, inside it has been utilized as a part of planning of oral medicines and beverages. There is presence of endless occurrences in different old restorative writings of the remedial properties of cow pee for a crowd of human infirmities. In antiquated Indian arrangement of prescription, pee of cow was acknowledged, utilized nearly as an expansive range anti-microbial very much the same as that of twenty first century. The cow pee not just utilized against afflictions of illnesses as restorative operators additionally have a few different uses as in agribusiness and sericulture areas. So this article endeavors to deliver the broadened utilization of this blasphemous mixture as was in vogue in antiquated Indian arrangement of prescription as gathered from the antiquated medicinal writings and current logical discoveries.

## **NATURAL USE OF COW URINE**

Dairy animals pee is accepted to have restorative esteem and utilized as a part of numerous medicate plans. Basically, dairy animals pee is utilized as disinfectant furthermore, for cleaning. With an estimated time span of usability of around 5 a long time, this can turn out to be the best regular disinfectant furthermore, disinfectant, when contrasted with the engineered chemicals those are presently accessible to the purchasers. In this manner, it reinforces the truth that bovine's pee is not a harmful gushing as 95% of its substance being water, 2.5% urea and the staying 2.5%, a blend of minerals, salts, hormones and proteins. In the provincial towns in India, bovine's pee is being utilized since quite a while as a successful germicide for wounds, skin maladies, showering, and so forth. Antiquated Indian Vedic Scriptures including Manu Smite, Charka Samira and Sushruta Samhita and present day specialists have cited that balanced utilization of this creature item takes out any nonfunctionality of respiratory frameworks, hepato-gastro-intestinal frameworks, cardiovascular frameworks, disease and numerous others. Conventional employments of cow pee as pharmaceutical alone or with certain synergistic medications has been portrayed in Table 1.

## **COWURINE DISTILLATION PROCESSG**

### **Gaumutrasav (Fermented preparation) Ingredients**

**Cow urine 10 kg, old organic jaggery 2 kg.**

### **PROCESS**

Just earthen pot or glass pot must be utilized. To start with bubble cow pee so that smelling salts gas is evacuated. By this the scent of dairy animals pee will leave. Channel it, include jaggery and disintegrate it. At that point bubble once more. Channel it once more. Keep this blend for 15 days without exasperating. At that point conventional the fluid (Asava) part circumspectly from top, without shaking, so that the thick part urea stays settled at base and tapped fluid part is straightforward. 25 ml ought to be taken twice every day after suppers.

Every one of the qualities are like that of dairy animals pee. This handling is done to balance out the characteristics of dairy animals pee. Gaumutrasav ought to be completely utilized as bovine pee itself. Amount is minimal not as much as dairy animals pee measurements. It is durable. The more seasoned it is, themore successful it gets to be. Along these lines dairy animals pee in type of asava is completely successful.

**Table No 1: Cow Urine Analysis**

Cow urine	Chemical constituents	Agricultural uses	Therapatic uses
Distilled of cow urine, Fermented microbio culture of cow urine	Sodium, nitrogen and sulphur ; Vitamins A,B,C,D and E; Minerals, manganese, silicon, chlorine, magnesium, phosphate, calcium salts; Hormones	Jeevamrutha, Beejamrutha, Urea, Neem bark and cow urine	Blood purification, Anti aging effect, Skin diseases, thyroid, Cancer, Asthma, heart diseases, AIDS

### **GAUMUTRA ARKA (Distilled cow urine)**

The vapor of dairy animals pee is to be gathered by tube gadget like in refining process. An earthen or iron pot with cover having tube for vapor outlet is loaded with dairy animals pee and put over flame for warming. The vapor, which turns out from this gadget through the tube, is gathered in a pot. The pot is put over frosty water, to cool the vapor and get it dense. The water under the pot ought to be changed frequently to keep the pot and water cool. The container of gadget must be straightforward, with the goal that vapor is obvious. On the off chance that smoke begins turning out, decrease fire or fire. The characteristics of ark (refined pee) are not the same as entire cow pee or asav, as numerous segments stay in the buildup and some of them are lost as vapor. However it is more prominent as it doesn't smell. Advantage will be accomplished on taking for longer period. It can be effortlessly given to youngsters and ladies. In the event that nectar is included with it, it turns out to be more successful. Measurements 12 millilitre after nourishment with nectar. For the most part this is utilized to lessen the cholesterol in the blood and to diminish the overabundance weight. It can be effectively given to kids in hack and different sicknesses. In homes it can be arranged even by utilizing a weight cooker. Evacuating shriek some portion of cooker and join a tube there. It can be readied utilizing a pot spout for outlet of vapor. At that point the vapor ought to be taken through tube to the accumulation pot. Indeed, even little amount of dairy animals pee can be utilized as a part of home.

### **COW URINE USE IN MEDICAL PURPOSE**

#### **As therapeutic agent**

Dairy animals pee is fundamentally an amazing disinfectant and a powerful anti-toxin. Hence, bovine pee treatment wrecks all the pathogenic living beings and on the off chance that it is gone up against an everyday schedule, it supports invulnerability. A portion of the

illnesses that are ended up being cured by dairy animals pee are Cough, Dysmenorrhoea, Migraine or cerebral pain, Obstruction, Thyroid and Skin illnesses like dermatitis, ringworm, what's more, tingling, Acne, Cancer, Heart Diseases, Musculoskeletal Clutters, Male Sexual Disorders, AIDS, Diabetes Mellitus, Blood Clutters, Respiratory Disorders, Gastrointestinal Disorders, Endocrine Disorders, Gynecological Disorders, Ophthalmic Clutters, Psychiatric Disorders, Urological Disorders, Asthma, Kidney Shrinkage, Hepatic Disorders and Cancer and so forth. Nearness of urea, creatinine, swarn kshar (aurum hydroxide), carbolic corrosive, phenols, calcium and manganese have emphatically clarified for show of antimicrobial and germicidal properties of bovine pee. Then again uric corrosive's cancer prevention agent property and allantoin connects with its anticancer impact. Pee utilization moves forward insusceptibility is because of nearness of swarn kshar and affixes wound recuperating process which is expected to allantoin. Cardiovascular framework is kept up by some of its qualities as kallikrein goes about as a vasodilator, the catalyst urokinase is a fibrinolyte, smelling salts keeps up the auxiliary respectability of blood corpuscles, nitrogen, sulfur, sodium and calcium segments go about as blood purifiers, while iron and erythropoietin invigorating element keep up hemoglobin levels. It contains nitrogen in high fixation which goes about as a renal stimulant, while uric corrosive, phosphates furthermore, hippuric corrosive go about as diuretic operators. Nearness of copper and calcium advance its hostile to heftiness and skeletal/bone wellbeing impact. Aurum hydroxide and copper go about as counteractants for different toxic substances in the body as specific toxins can be refined and filtered if absorbed go-mutra for 3 days. Guggul (Commiphora mukul), bhalataka (Semecarpus anacardium), loha (iron) and silver can be purged and aconite (Aconitum napellus) detoxified utilizing this bovine pee treatment. Aside from curing maladies, bovine pee likewise helps in keeping up the homeostasis of body where it influences certain body works by bringing down cholesterol level, calming pressure, enhancing memory, improving the working of liver, abating the maturing process, offering quality to mind, heart and furthermore devastating the dangerous impacts of therapeutic buildups in the body. Indeed, if cow pee is taken consistently even without having any ailment, it keeps our body sound by boosting resistance, by killing lethal substances through era of cancer prevention agents and rummaging of free radicals. Late review have demonstrated that cow pee, distillate, re-distillate and buildups, all display cancer prevention agent movement and that cow pee could be a potential wellspring of regular cancer prevention agent that could have more prominent significance as steady treatment in averting alternately moderating oxidative anxiety related degenerative diseases<sup>15-19</sup> appeared in figure 1. As bio-pesticide and bio-enhancer Panchgawya' made up of five dairy animals items; drain, curd, ghee, pee and manure, is additionally utilized as composts and pesticides in farming operations. According to late reviews bovine pee has turned out to be a powerful bug controller and larvicide when utilized alone and furthermore in blend with various plant arrangements by upgrading the adequacy of various home grown arrangements appeared in figure .2. The current innovation identified with bovine pee was its part as a bioenhancer. Distillate dairy animals' pee is an action enhancer and accessibility facilitator for bio dynamic particles (anti-microbial, antifungal furthermore, anticancer medications) . The distillate helps in ingestion of anti-toxin over the cell layer in creature

cells, gram positive what's more, gram negative microbes at 40-50°C, transport over the gut divider by two to seven circumstances. It additionally builds the movement of gonadotropin discharging hormone conjugate with ox-like serum egg whites (GnRH-BSA) and zinc . The GnRH-BSA conjugate has a injurious impact on regenerative hormones and estrous cycles of female mice. Thus, concentrated cow pee goes about as a bio-enhancer of inoculation adequacy to balance these impacts. Dairy animals pee has been allowed US Patents (No. 6,896,907 6,410,059 and 6,410,059) for its restorative properties. It goes about as a bio-enhancer of antiinfective, anticancer operators/supplements from mixes, anti-infection agents drugs, remedial, nutraceuticals, particles, and furthermore freely as a bioactive operator.

## **IN AGRICULTURE**

Dairy animals' pee supported the yearly rye grass yield by bringing about an increment in nitrogen (N) segment of the dirt and a checked gloom in nitrogen obsession by 10% every year in clovers especially in winter. The impacts on yield endured 2-3 harvests and were trailed by a reduction in clover development. Add up to Nitrogen content in the dairy animals pee is high extending from 6.8 to 21.6 g N/l, out of which a normal of 69% is urea. Pee expanded the N grouping of grass (especially the nitrate division) and expanded the potassium grouping of grass and clover. Expanded field development from pee patches has been watched notwithstanding taking after high N compost application which might be expected to more prominent measure of N connected or to some collaboration with one of the different components in pee, for example, potassium or sulfur [15] .Estimation of nitrogen substance by utilizing khejindal technique [24].

### **The effect of cow urine on ovipositor cues to mosquitoes**

Concentrate the occasional assessment of the productivity of bovine pee in creating ovipositor signals to *Anopheles gambiae* and *Culex quinquefasciatus* . Bovine pee both crisp and 7 days matured had a positive impact on oviposition behavioural reaction as measured utilizing Oviposition Activity Index (OAI) in mosquitoes. The OAI was sure in both the types of mosquito which varied species shrewd and under trial conditions, be that as it may, was most extreme in stormy season than dry months of the year. They gathered that because of microbial exercises, the concoction mixes could have been delivered because of maturing in dairy animals pee as by-items that may impact ovipositor fascination and additionally prevention signs for every mosquito species. Moreover, the nearness of chemicals and proceeded with disintegration of dairy animals pee increments microbial states which may have produced more unpredictable exacerbates that pull in gravid mosquitoes' to oviposit. Accordingly, cow pee may go about as a compelling oviposition attractant, which is locally accessible, conservative and solid, thus can be sent in conglomerating mosquitoes' larval natural surroundings for use in the remedial arranging and administration of viable control of jungle fever.

## **ADVERSE EFFECT**



Little measure of Common symptoms of pee treatment incorporate loose bowels, tingle, torment, exhaustion, soreness of the shoulder, fever. Which seems all the more much of the time in patients enduring long haul or more genuine sicknesses. Every scene may last 3-7 days, yet now and then it might keep going for 1-6 months. Henceforth, some decline this treatment because of such terrible scene and others because of the disgrace related with it. On the off chance that one continues and conquers the trouble, if anybody can appreciate the inevitable joy of sound life. The patients ought to be hopeful and understand the regular mending control. People experiencing constant malady who embrace CUT in a lively way and with the inspirational state of mind will acknowledge and watch the advantages in their mental and physical wellbeing inside a brief time of 10 to 15 days.

## CONCLUSION

Go-mutra(distilled cow urine) therapy provides an especially rich and provocative research topic. The ancient scriptures of ayurveda consider cow urine to be the elixir of life. It is the most effective natural remedy and the safest method of treatment bestowed upon us by nature. However, there is still a need not only to explore further research possibilities but also to stop cow sacrifice across the world. she is a very sacred and holy animal so to worship as God. Each and every part of cow is useful even after its death. It dedicates itself in the service of mankind. In agrarian country like India, where majority of rural population have cow as their additional source of income. Cow urine based formulations would definitely prove to be a potential medicine which in turn would reduce the pressure on the existing use of chemicals and antibiotics. While this sounds a little unconventional for many, it could be a major step in disease management. Let's hope this urine therapy could open doors for curing wide range of dreadful diseases because as we know it is eco-friendly, economically viable, and easily available at abundance.

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