

TO IDENTIFY THE COMPONENT PRESENT IN ASS URINE FOR TREATMENT OF EPILEPSY

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Introduction:

Approximately 150 L of plasma are purified each day by glomerular filtration, tubular secretion, and tubular reabsorption to produce 0.6 to 2.5 L of urine. The amount of urine produced is influenced by environmental temperature, fluid intake, time of day, emotional state, and many other factors.¹

The composition of urine reveals much about body function. Metabolic waste products such as carbon dioxide, urea, uric acid, creatinine, sodium chloride, and ammonia are normally present and have no particular pathological significance. The presence of albumin (a protein), glucose, ketones, and various other substances, however, may indicate malfunction of the kidneys or some other organ of the body.¹

Biological importance of Ass urine: (Sanskrit : *khara*; Latin : *Asinus equidae*) The urine of Ass has been mentioned useful as destroyer of epilepsy (*apasmara*), intensity (*unmada*) and in seizures. The mode of its use has been mentioned as internal as drink. Apart from the above mentioned diseases, the urine of Ass has also been prescribed to cure diabetes and various diseases caused by worms.^{2,3}

OBJECTIVES OF WORK

- ✓ Quantitative estimation of urine component.
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- ✓ Comparatively study of different sample of Ass urine.

METHODOLOGY

- ✓ Identification of urine by different physicochemical test and quantitative estimation of different component by UV-Visible spectrometry.

✓ Anti-epileptic activity by maximal electrical shock induced convulsion method in albino mice using Electroconvulsometer.

Preparation of Solution for UV Detection:

Take 10 ml of Ass urine into 20 ml volumetric flask and sonicated to dissolve in distilled water up to the 20 ml to give a stock solution. Pipetted out 1 ml of Ass urine from stock solution into 10 ml volumetric flask and diluted up to 10 ml with distilled water. Shake well give a solution having strength 100 $\mu\text{g/ml}$ and find out λ_{max} and A_{max} .

PLAN OF WORK

- ➡ Extensive Literature survey
- ➡ Collection of Urine
- ➡ Qualitative & Quantitative estimation of urine
- ➡ Anti-epileptic activity of urine
- ➡ Collection of Data
- ➡ Completion of work/ Submission of Report

IMPLICATIONS

According to Charaka Samhita (चरक संहिता) stated that Ass urine was used as destroyer of epilepsy (*apasmara*), intensity (*unmada*), but till date no evidence were obtained according to literature review except Charaka Samhita.

REFERNCES

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2. Maharshi agnivesh pranit *charaka samhita* vol. I page no.23.

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