



## Research Article

# Leucocytes Proper Concentration in Urine is Necessary for Good Human Health

Saira Kousar\* and Muhammad Imran Qadir

Department of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan

### Abstract

Leukocytes and white blood cells are the part of our blood stream. It involves in our immune system that's why when its level increases it cause infection. The most common symptoms are burning during urination, smelly urine, pelvic pain, nausea and vomiting. Sometimes stone in kidney or pelvis block the way and cause this infection. Some people have asthma problem. They are much sensitive than others when they inhale many chemicals and ornaments are passed through there respiratory track which cause serious infection. Preventions and awareness is the main control in this allergy. People have to co operated with others and try to use products which have less allergic chemicals. 15% males and females have urine leukocytes and show perfume allergy.

**Keywords:** Immune system; kidney blockage; Leukocytes; Perfume allergy

### Introduction

Leukocytes and white blood cells are the part of our blood stream. It involves in our immune system that's why when its level increases it cause infection. Leukocytes are also present in our urine. When leukocytes increase in the urinary track it cause infection in kidney. This situation is more complex in pregnancy because it creates UTIs problem. The most common symptoms are burning during urination, smelly urine, pelvic pain, nausea and vomiting. If you hold urine for long time it creates bacterial infection in your bladder. Continuous holding of urine cause the increase of leukocytes in your body. Sometimes stone in kidney or pelvis block the way and cause this infection.

\*Corresponding author: Saira Kousar, Department of Molecular Biology and Biotechnology, Bahauddin Zakariya University, Multan, Pakistan, Tel: +92 3456902426; E-mail:sk7002426@gmail.com

**Citation:** Kousar S, Qadir MD (2020) Leucocytes Proper Concentration in Urine is Necessary for Good Human Health. Biotech Res Biochem 3: 009.

**Received:** August 11, 2020; **Accepted:** August 24, 2020; **Published:** August 31, 2020

**Copyright:** © 2020 Kousar S, et al. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Some people have asthma problem. They are much sensitive than others when they inhale many chemicals and ornaments are passed through there respiratory track which cause serious infection. Mostly daily used products like fragments, soups and other products have particles which when exposed with human it cause reaction and show sign marks like difficulty in breathing, headache, watery eyes and nose, dizziness and vomiting. This problem is much common in the whole world. Preventions and awareness is the main control in this allergy. People have to co operated with others and try to use products which have less allergic chemicals [1,2].

### Materials and Methods

#### Leukocytes in urine

Different strips are used to detect urine leukocytes. We dip strip in urine and compare the color change with the kit colors present in a test kit.

#### Project

Present design shows association between perfume allergy and urine leukocytes.

### Results and Discussion

Total 15% males have urine leukocytes and it shows perfume allergy. 45% males have no urine leukocytes and shows perfume allergy. 12.5% males have urine leukocytes and it don't shows perfume allergy. 27.5% males have no urine leukocytes and don't shows perfume allergy. 15% females have urine leukocytes and it shows perfume allergy. 67.25% females have no urine leukocytes and shows perfume allergy. 0% females have urine leukocytes and it don't shows perfume allergy. 17.75% females have no urine leukocytes and don't shows perfume allergy [3-10] shown in table 1.

Gender	Perfume Allergy		Don't have perfume allergy	
	Leukocytes in urine	No Leukocytes in urine	Leukocytes in urine	No Leukocytes in urine
Male	15%	45%	12.5%	27.5%
Female	15%	67.25%	0%	17.75%

**Table 1:** Shows association between perfume allergy and urine leukocytes.

### Conclusion

Leukocytes in urine Different strips are used to detect urine leukocytes. 45% males have no urine leukocytes and shows perfume allergy. 67.25% females have no urine leukocytes and shows perfume allergy. Gender Perfume Allergy Don't have perfume allergy Leukocytes in urine No Leukocytes in urine Leukocytes in urine No Leukocytes in urine Male 15% 45% 12.5% 27.5% Female 15% 67.25% 0% 17.75% Conclusion 15% males and females have urine leukocytes and show perfume allergy.

## References

1. Aspitia AM, Perez EA (2009) Anthracycline-and/or taxane-resistant breast cancer: Results of a literature review to determine the clinical challenges and current treatment trends. *Clinical therapeutics* 31: 1619-1640.
2. Marczak A, Bukowska B, Rogalska A (2014) WP 631 and Epo B synergize in SKOV-3 human ovarian cancer cells. *Environmental Toxicology and Pharmacology* 37: 256-266.
3. Mansilla S, Rojas M, Bataller M, Priebe W, Portugal J (2007) Circumvention of the Multidrug-Resistance Protein (MRP-1) by an antitumor drug through specific inhibition of gene transcription in breast tumor cells. *Biochemical pharmacology* 737: 934-942.
4. Gauler TC, Christoph DC, Fischer J, Frickhofen N, Huber R, et al. (2013) Phase-I study of sagopilone in combination with cisplatin in chemotherapy-naïve patients with metastasised small-cell lung cancer. *European Journal of Cancer* 49: 2461-2468.
5. Ebenezer GJ, Carlson K, Donovan D, Cobham M, Chuang E, et al. (2014) Ixabepilone induced mitochondria and sensory axon loss in breast cancer patients. *Annals of clinical and translational neurology* 19: 639-649.
6. Che XF, Nakajima Y, Sumizawa T, Ikeda R, Ren XQ, et al. (2002) Reversal of P-glycoprotein mediated multidrug resistance by a newly synthesized 1, 4-benzothiazepine derivative, JTV-519. *Cancer letters* 187: 111-119.
7. Bollag DM, Woods CM, Zhu J, Hensens O, Koupal L, et al. (1995) Epothilones, a new class of microtubule-stabilizing agents with a taxol-like mechanism of action. *Cancer research* 55: 2325-2333.
8. Baumgart T, Kriesen S, Neels O, Hildebrandt G, Manda K (2015) Investigation of Epothilone B-Induced Cell Death Mechanisms in Human Epithelial Cancer Cells-in Consideration of Combined Treatment With Ionizing Radiation. *Cancer investigation* 33: 213-224.
9. Attia SM (2013) Molecular cytogenetic evaluation of the mechanism of genotoxic potential of amsacrine and nocodazole in mouse bone marrow cells. *Journal of applied toxicology* 33: 426-433.
10. Aspitia AM, Perez EA (2009) Anthracycline-and/or taxane-resistant breast cancer: results of a literature review to determine the clinical challenges and current treatment trends. *Clinical therapeutics* 31: 1619-1640.



- Advances In Industrial Biotechnology | ISSN: 2639-5665
- Advances In Microbiology Research | ISSN: 2689-694X
- Archives Of Surgery And Surgical Education | ISSN: 2689-3126
- Archives Of Urology
- Archives Of Zoological Studies | ISSN: 2640-7779
- Current Trends Medical And Biological Engineering
- International Journal Of Case Reports And Therapeutic Studies | ISSN: 2689-310X
- Journal Of Addiction & Addictive Disorders | ISSN: 2578-7276
- Journal Of Agronomy & Agricultural Science | ISSN: 2689-8292
- Journal Of AIDS Clinical Research & STDs | ISSN: 2572-7370
- Journal Of Alcoholism Drug Abuse & Substance Dependence | ISSN: 2572-9594
- Journal Of Allergy Disorders & Therapy | ISSN: 2470-749X
- Journal Of Alternative Complementary & Integrative Medicine | ISSN: 2470-7562
- Journal Of Alzheimers & Neurodegenerative Diseases | ISSN: 2572-9608
- Journal Of Anesthesia & Clinical Care | ISSN: 2378-8879
- Journal Of Angiology & Vascular Surgery | ISSN: 2572-7397
- Journal Of Animal Research & Veterinary Science | ISSN: 2639-3751
- Journal Of Aquaculture & Fisheries | ISSN: 2576-5523
- Journal Of Atmospheric & Earth Sciences | ISSN: 2689-8780
- Journal Of Biotech Research & Biochemistry
- Journal Of Brain & Neuroscience Research
- Journal Of Cancer Biology & Treatment | ISSN: 2470-7546
- Journal Of Cardiology Study & Research | ISSN: 2640-768X
- Journal Of Cell Biology & Cell Metabolism | ISSN: 2381-1943
- Journal Of Clinical Dermatology & Therapy | ISSN: 2378-8771
- Journal Of Clinical Immunology & Immunotherapy | ISSN: 2378-8844
- Journal Of Clinical Studies & Medical Case Reports | ISSN: 2378-8801
- Journal Of Community Medicine & Public Health Care | ISSN: 2381-1978
- Journal Of Cytology & Tissue Biology | ISSN: 2378-9107
- Journal Of Dairy Research & Technology | ISSN: 2688-9315
- Journal Of Dentistry Oral Health & Cosmesis | ISSN: 2473-6783
- Journal Of Diabetes & Metabolic Disorders | ISSN: 2381-201X
- Journal Of Emergency Medicine Trauma & Surgical Care | ISSN: 2378-8798
- Journal Of Environmental Science Current Research | ISSN: 2643-5020
- Journal Of Food Science & Nutrition | ISSN: 2470-1076
- Journal Of Forensic Legal & Investigative Sciences | ISSN: 2473-733X
- Journal Of Gastroenterology & Hepatology Research | ISSN: 2574-2566
- Journal Of Genetics & Genomic Sciences | ISSN: 2574-2485
- Journal Of Gerontology & Geriatric Medicine | ISSN: 2381-8662
- Journal Of Hematology Blood Transfusion & Disorders | ISSN: 2572-2999
- Journal Of Hospice & Palliative Medical Care
- Journal Of Human Endocrinology | ISSN: 2572-9640
- Journal Of Infectious & Non Infectious Diseases | ISSN: 2381-8654
- Journal Of Internal Medicine & Primary Healthcare | ISSN: 2574-2493
- Journal Of Light & Laser Current Trends
- Journal Of Medicine Study & Research | ISSN: 2639-5657
- Journal Of Modern Chemical Sciences
- Journal Of Nanotechnology Nanomedicine & Nanobiotechnology | ISSN: 2381-2044
- Journal Of Neonatology & Clinical Pediatrics | ISSN: 2378-878X
- Journal Of Nephrology & Renal Therapy | ISSN: 2473-7313
- Journal Of Non Invasive Vascular Investigation | ISSN: 2572-7400
- Journal Of Nuclear Medicine Radiology & Radiation Therapy | ISSN: 2572-7419
- Journal Of Obesity & Weight Loss | ISSN: 2473-7372
- Journal Of Ophthalmology & Clinical Research | ISSN: 2378-8887
- Journal Of Orthopedic Research & Physiotherapy | ISSN: 2381-2052
- Journal Of Otolaryngology Head & Neck Surgery | ISSN: 2573-010X
- Journal Of Pathology Clinical & Medical Research
- Journal Of Pharmacology Pharmaceutics & Pharmacovigilance | ISSN: 2639-5649
- Journal Of Physical Medicine Rehabilitation & Disabilities | ISSN: 2381-8670
- Journal Of Plant Science Current Research | ISSN: 2639-3743
- Journal Of Practical & Professional Nursing | ISSN: 2639-5681
- Journal Of Protein Research & Bioinformatics
- Journal Of Psychiatry Depression & Anxiety | ISSN: 2573-0150
- Journal Of Pulmonary Medicine & Respiratory Research | ISSN: 2573-0177
- Journal Of Reproductive Medicine Gynaecology & Obstetrics | ISSN: 2574-2574
- Journal Of Stem Cells Research Development & Therapy | ISSN: 2381-2060
- Journal Of Surgery Current Trends & Innovations | ISSN: 2578-7284
- Journal Of Toxicology Current Research | ISSN: 2639-3735
- Journal Of Translational Science And Research
- Journal Of Vaccines Research & Vaccination | ISSN: 2573-0193
- Journal Of Virology & Antivirals
- Sports Medicine And Injury Care Journal | ISSN: 2689-8829
- Trends In Anatomy & Physiology | ISSN: 2640-7752

Submit Your Manuscript: <https://www.heraldopenaccess.us/submit-manuscript>