



**Service Priorities and Programmes**  
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**Can “Save Napkin for Inspection” tell the Severity of Visual Haematuria**

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**Introduction**

Macroscopic Haematuria is a common clinical bedside presentation for patients especially in Urology Ward. “Save Napkin for Inspection” in bucket for incontinence or debilitated patients is our current practice, which intends to aid our Urologists to make appropriate clinical judgment and management plan. However, it may have potential risk of cross infection. Odor from contaminated diapers also caused annoyance to the environment. The visual color on diapers reflecting the actual severity of hematuria of a patient is questionable.

**Objectives**

To assess and evaluate the effectiveness of clinical practice on “Saving Napkin for Inspection” with respect to different severity of heamaturia.

**Methodology**

In order to verify the visual blood-stained urine color presented on diapers can reflect the actual severity of hematuria, same volume of different severity of blood-stained solution was poured onto one brand of diaper. We then compared the visual color presenting on the diapers coincide with the actual blood-stained urine after 5, 15, and 30 minutes. We repeated the same test again with different volumes of 50ml, 100ml to 200ml on 7 different brands of napkin that patients currently used.

In order to investigate whether the same severity of blood-stained urine on different brands of the diapers show similar visual color, same volume of same severity of blood-stained solution was poured onto 7 brands of diapers were currently used for 30 minutes and the visual color presentation was being compared.

**Result**

1. Different brands of diapers have discrepancy in color presentation with identical volume or severity of hematuria. The better the quality and absorption ability, the lighter the visual blood-stained urine presented on the diapers.
2. Blood-stained urine on diapers became lighter with increasing contact time at same volume despite of severity.
3. It was difficult to identify medium and heavy hematuria as the visual blood-stained urine presentation on the diapers were similar.

#### Conclusion

1. Different quality of diapers implied inconsistent in color presentation. There may be underestimated for patients with heavy hematuria according to increasing contacted time, and variation in quality and absorption ability of the diapers.
2. There is a doubt that "Save Napkin for Inspection" can reflect the actual severity of hematuria whatever from light to heavy hematuria for the patients.
3. The practice of "Saving Napkin for Inspection" should be abandoned in view of infection control standard as well as the reliability of simply color presentation from napkin.
4. Our future plan is to look for a more effective and reliable way to describe the degree of hematuria so as to aid clinical decision and management.