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Urinary calculi in Northern Prevince, Sri Lanks: A descriptive cross-sectional study conducted at Teaching Hounital Jaffus among the patients underwent surgical interventions for urinary calculi Sivaranzini S10 Azasaratnam V2 Satheran R3 Ganatilake M4 Kandeenan K3

> 'Unti of Siddha Medicine, University of Jaffna 2 Department of Biochemistry, Faculty of Medicine, University of Juffna 1 Gentiourinary surgical unit, Teaching Hospital Jaffna *Department of Physiology, Faculty of Medicine, University of Colombo.

Abstract - Urinary calculi may affect the resul function and cause permanent damage to the leidney, if it is not treated. This study was carried out to find the distribution of orinary calculi in Northern Province assists who underwent surgical interventions for urinary calculi at Gesitourisary surgical unit, Teaching Hospital Juffine. It is a descriptive cross sectional study carvied out from Including ane, gender, place of residence during the last notes and recorded in data estruction sheets. Of the 115 patients refected higher percentage of pringry calcult was reported in males (n=76, 66,1%) then in females (n=39, 33.9%) with the ratio of 1.9:1. The age of patients having stones ranged from 97 to 85 years with the mean age of 50.9 (±16.2) years. In this study, 60 males (79%) and 32 females (82%) were in the age range of 31-70 years. Highest number of potients was from Juffus District (p=73, 63,5%) and lowest number was from Manuar District (a=6, 4,3%). This study showed that 28.7% (n=33) lead past history of prinary calculi survical recurrence. Recurrence also this study it can be concluded that, the urinary calcult were more common in males than in females from all five Districts of Northern Province: males had more recurrence of urinary calculi than females and urinary calculi were more common in productive age group. Systematic survey should be carried out to confirm this problem in Northern Province, Sri Lanks.

Key words - Northern Province, Sri Lanks, Urinary calcul

of crystalloid and a small amount of oceanic matrix. It can affect the sensi function and lead to permanent damper of

About 2 to 5% of Asians develop urinary calculi in their lifetime. It is estimated that approximately 2% of the their life with male-female ratio of 2:1. The neak incidence is observed in 2nd to 3nd decades of life

Prevalence of urinary calculi in Sri Lanka is mainly associated with certain dietary habits and environmental geochemical factors, which greatly influence the actionery of unitary calcula with kidney stones to Teaching Hospital, Jaffin is increasing [2]. The aim of this study was to find the distribution of the urinary calculi in Northern Province patients who underwest surgical intervention for urinary calculi at Genitourinary surpical unit. Teaching Hospital Jaffina

October 2016 to November 2017. A total of 115 patients [3] from Northern Province who underwent surgical intervention for uninsery calculi at Genitourinary surgical unit. Teaching Hospital. Jaffna were recruited for this study. A written informed consent was obtained prior to their recruitment. The demographic data including age, gender, place of were obtained from the clinical notes and recorded in data

Committee, Faculty of Medicine, University of Jaffna, The collected data were analyzed using SPSS version 20.

Among the patients those who were affected with urinary calculi, highest number was from Jaffna District (n=73, 63.5%) and lowest number of patients were from Manner District (n=5, 4,3%) (See Table 1).

	Mo.	8	No	N.	No	×
bifire	23	65.5	47	54.4	26	35.6
Effectchi	21	9.6	66	545	06	45.5
MARKETON	26	13.9	22	75.0	D4	25.0
Yanasiya	20	8.7	0.6	80.0	. 23	20.0
Moreor	05	43	09	60.0	03	40.0
Tetal	115	200.0	75	3.00.0	22	100.0

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