

( )

\*

\*\*

:

$\pm / ( )$   
 $(\% / )$

$/$   
 $(\% / )$

$/ \pm /$   
 $( \% / )$

$\% /$

:

---

\*

\*\*

/

/

SCL

(MID STREAM)

SCL

SCL

.( )

( )

(COLD BOX )

SCL

.( )

.( )

/

EMB

dis diffusion

.( )

)

.( ) (

SPSS

P< /

( / )

/



/

/

)

( )

.(

( )

( )

PH > /

SCI

)

.( )

( )

(CFU> )

(

ESELARIN

.( )

( )

.( )

CFU>

SELCUK

CFU>

SCI

CFU>

.( )

.( ) SCI

.( )

GHENT

SCI

( )

.( )

.( )

EMPIRIC

.( )

.( )

/

.( )

( ).

VIRGINIA

) SCI

(

WBC/HPF>6

.( )

SCI

(DIPSTICK )

SCL

.( )

LINSEN MEYER

SCI

---

References :

1. de-Droat WC. Mechanisms underlying the recovery of lower urinary tract function following spinal cord injury. *Paraplegia* 1995;33:493-505.
2. Pikov V, Wrathass JR. Coordination of the bladder detrusor and the external urethral sphincter in a rat model of spinal cord injury: effect of injury severity. *J Neurosci* 2001;21:559-69.
3. Baraldo PS, Neves EG, Alves CM, et al. Pyrexia in hospitalized spinal cord injury patients. *Paraplegia* 1993;31:186-91.

- 4 – Montgomerie JZ , Morrow JW . Long-term Pseudomonas colonization in spinal cord injury patients. *Am J Epidemiol* 1980;112:508-517.
- 5- Cardenas DD , Hooton TM. Urinary tract infection in persons with spinal cord injury . *Arch Phys Med Rehabil* 1995;76:272-280.
6. Newman E, Price M. Bacteriuria in patients with spinal cord lesions: its relationship to urinary

drainage appliance. Arch Phys Med Rehabil 1977;58:427-30.

7- Waites KB , Canupp Kc , Devivo MJ . Epidemiology and risk factors for urinary tract infection following spinal cord injury . Arch Phys Med Rehabil 1993;74:691-695.

8- Yoshimura N . Bladder afferent pathway and spinal cord injury : possible mechanisms including hyperreflexia of the urinary bladder . Prog Neurobiol 1999;57:583-606.

9- Weld KJ , Graney MJ , Dmochowski IR . Clinical significance of detrusor sphincter dyssynergia type in patients with post-traumatic spinal cord injury . Urology 2000;56:565-568.

10- Ho CH , Kirshblum S , Linsenmeyer TA , Millis SR . Effects of the routine change of chronic indwelling foley catheters in persons with spinal cord injury . J Spinal Cord Med 2001;24:101-104.

11- Anderson RU ,Hsieh-Mab ST . Association of bacteriuria and pyuria during intermittent catheterization after spinal cord injury . J Urol 1983;130:299-301.

12- Esclarin de Ruz A , Garcia Leoni E , Herruzo Cabrerar . Epidemiology and risk factors for urinary tract infection in persons with spinal cord injury . J Urol 2000;164:1285-1286.

13- Foley SJ , Mcfarlane JP , Shah PJ , Vesico-ureteric reflux in adult patients with spinal injuries. Br J Urol 1997;79:888-891.

14. Levendoglu F; Ugurlu H; Ozerbil OM; Tuncer I; Ural O.Urethral cultures in patients with spinal cord injury.Spinal Cord 2004;42:106-9.

15. Penders J; Huylenbroeck AA; Everaert K; Van Laere M; Verschraegen GL.Urinary infections in patients with spinal cord injury. Spinal Cord 2003;41:549-52.

16- Erickson RP ,Merritt JL, Opitz JL, Ilstrup DM .Bacteriuria during follow up in patients with spinal cord injury. Arch Phys Med Rehabil .1982;63:409-412.

17. Jayawardena V; Midha M. Significance of bacteriuria in neurogenic bladder.J Spinal Cord Med 2004;27:102-5.

18. Haffman JM; Wadhvani R; Kelly E; Dixit B; Cardnas DD. Nitrite and leukocyte dipstick testing for urinary tract infection in individuals with spinal cord injury.J Spinal Cord Med 2004;27:128-32.

19. Linsenmeyer TA; Oakley Accuracy of individuals with spinal cord injury at predicting urinary tract infections based on their symptoms. J Spinal Cord Med 2003 ;26:352-7.