

دراسة المناعة الخلطية الموضعية للتهاب الزائدة الدودية في الإنسان

E.coli , Klebsiella

23

Abstract

Acute appendicitis is acute condition happened as a result of obstruction of the bowel or excessive growth normal flora. Twenty three specimens of inflamed appendices were collected from AL-Hilla teaching hospital and Hashimya hospital and we identify the bacteria found in appendicitis. The dominant bacteria were *E. coli* and *Klebsiella*. In addition, secretory immunoglobulins were separated and study of specific antibody titer . The results appeared high titers with surface antigens of bacteria . So the conclusion from this study these bacteria cause specific mucosal response.

(cecum)

7

72-48

.(Edward and Bouchier, 1991)

20-11

.(Edward and Bouchier, 1991)

)
 .(
 .
 %50
 .
 %25
 () placebo ampicillin
 .(Rickett and Jackson) %3
 (Lincomycin) .(Magarey *et. al*, 1971)
 .(Liegh , 1974)
 %90
 .*Bacteroides E. coli*
Pseudomonas aueroginosa ,
Staph . Proteus ssp , Klebsiella
aureus, Staph. albus, Streptococcus faecalis, Clostridium welchii Anaerobic
 11 *Compylobacter jejuni* (Wleig *et.al*, 1974)
 (Chan *et. al*, 1983)
 .(Lau *et. al*, 1984)
 local inflammation
 (CD14)
 Lps Toll like receptor Lps
 , IL-6 , TNF- α
 .(Rivera-Chaerz *et. al* , 2004) IL1 β
 (IgA)
 .
 (10) = IgA Ig
 .(Tomasi, 1976)

(Husband *et. al*,

1977)

(Rivera chares,

.2004)

(26 – 11)

23

-:

.2007 –

Normal Saline

.1

(Garvey *et. al* 1977)

Tris buffer

.2

.(Johnstone and Thorp , 1982)

polyethelen glycol

-3

6 %6

(6000 - 7500) BDH (HO_nHC₂H₄OH)

.7.3 100

.(Johnstone and Thorp , 1982)

culture media

.3

(Macffadin 2000)

15 121

(Blood Agar)

.

Blood Agar Bast

%5 (Mast)

. 45

Macconkey Agar

.

51.5 (Mast)

Brain heart infusion Broth

38 (oxid)

Kligler Iron Agar

0.06 (oxid)

.H₂S

(Biochemical test)

.4

Maccfiddin , 2000

(Kliglers Iron agar)

(citrate utilization test)

(Shnawa and Al Saadi , 2002 Tomasi, 1976)

.1

-A

N.S (5-4)

-1

.N.S 10

/ 3500

-2

P.E.G

-3

%6

/ 3500

-4

. 4

1

-5

-B

Heat killed bacterial agar

-(Sranborg- Eden et.al, 1985)

Klebsiella Proetus E.coli

-1

6 -2

3 -3

5 / 4000 5 -4

5 -5

5 / 3500

5 -6

-7

IU 10

WHO

3 -8

60 -9

-10

(Garvey *et.al*;1977)

0.2 8 -1

0.2 -2

0.2 -3

3:1 2:1 1:1

0.2 -4

.64:1 32:1 16:1 8:1 4:1

0.2 -5

24 37 -6

0.2 8 -7

0.2

-4

-: - 1

-: 23

(1)

10	<i>E . coli</i>
10	<i>Klebsiella</i>
3	<i>Proteus</i>

- 2

(2)

(2)

	<i>E . coli</i>
128	1
128	2
128	3
128	4
	<i>Klebsiella ssp</i>
64	1
64	2
64	3
64	4
64	<i>Proteus</i>
64	1
64	2

E. coli

%40

40 *Klebsiella ssp*

.(Edward and Bouchier, 1991, Leigh *et.al* 1974)

Rivera-)

()

(chares *et. al*, 2004, Lau *et. al*, 1984

(CD11)

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