

Moraxella catarrhalis

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Moraxella catarrhalis

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200

95

(80- 15)

(

105

(96)% 48

%3

% 5.5

% 90.5

(104)%52

, % 0.5

% 11.5

Moraxella

Moraxella catarrhalis

Isolation and Identification of *Moraxella Catarrhalis* From Cases of Eye Infections

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ABSTRACT

The study included isolation and identification of *Moraxella catarrhalis* which causes eye infection.

Samples were collected from 200 patients (105 Male, 95 Female) at Al-Zahrawi and Al-Salam general hospitals, their ages range from 15 days-80 years.

The samples were taken from different parts of the eye including (conjunctiva, cornea, eye lids, sclera and lacrimal duct). And the percentages found to be of bacterial infection of the eye was 48% infection of conjunctiva from the majority of them 90.5% of these infection, eye lids 5.5%, cornea 3%, sclera 0.5% and lacrimal duct 0.5% ,the other percentage 52%(104 samples) it is either viral, fungal, parasitcal or allergical cause.

Moraxella forms 11.5% of all bacterial infection of the eye and it was diagnosed as *Moraxella catarrhalis* by tributyrin test which differentiates it from *Neisseria gonorrhoeae*.

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(Seal et al., 1982, Locher et al., 1998; (. Cabral et al., 2000)

<i>Moraxella</i> spp.	<i>Staphylococcus epidermidis</i>
<i>Corynebacterium diphtheriae</i>	non hemolytic streptococcus
.	<i>Saprophytic fungi</i>
<i>Haemophilus</i>	α and β hemolytic streptococcus
<i>Pseudomonas aeruginosa</i>	<i>influenzae</i>
<i>Staphylococcus aureus</i>	<i>Neisseria gonorrhoeae</i>

(Morgan and Good, 1973, Baker, 1989, Atlas et al., 1995)

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Moraxella catarrhalis

. (Fedukowicz, 1978)

Moraxella catarrhalis

(Exogenous)

(Mikucka et al., 2000)

. (Human and Jones, 1986)

Endogenous

Moraxella

. (Baum et al., 1980; Stretton et al., 2002)

(Bijsterveld, 1970; Kowalski and (Conjunctivitis)

Moraxella

. Harwick, 1986; Schwartz et al., 1989)

200

((1) (1) (11) (6) (181))
(80- 15)

95 105)

2004 2003 (

Stuart

Oxoid

Tryptone soya Agar

Tryptone soya Agar

Tryptone soya Agar

48-24 37°

, 48-24 37°

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.()

.Neisseria Moraxella

Butyrate esterase

Butyric acid

Tributyrim

.1

(23) %11.5 *Moraxella catarrhailis*

()

(Fedukowicz, 1978; Koneman et al., 1997)

%12.9

(Cruickshank et al., 1975; Koneman et al., 1997)

(48)

Tryptone soya Agar

CO₂

(%5)

°(37)

(Koneman et al., 1997)

24

-

(48-24)

°(37-35)

. (Fedukowicz, 1978; Lennette et al., 1985)

Moraxella catarrhalis

.%25

(Tributyrim)

DNase

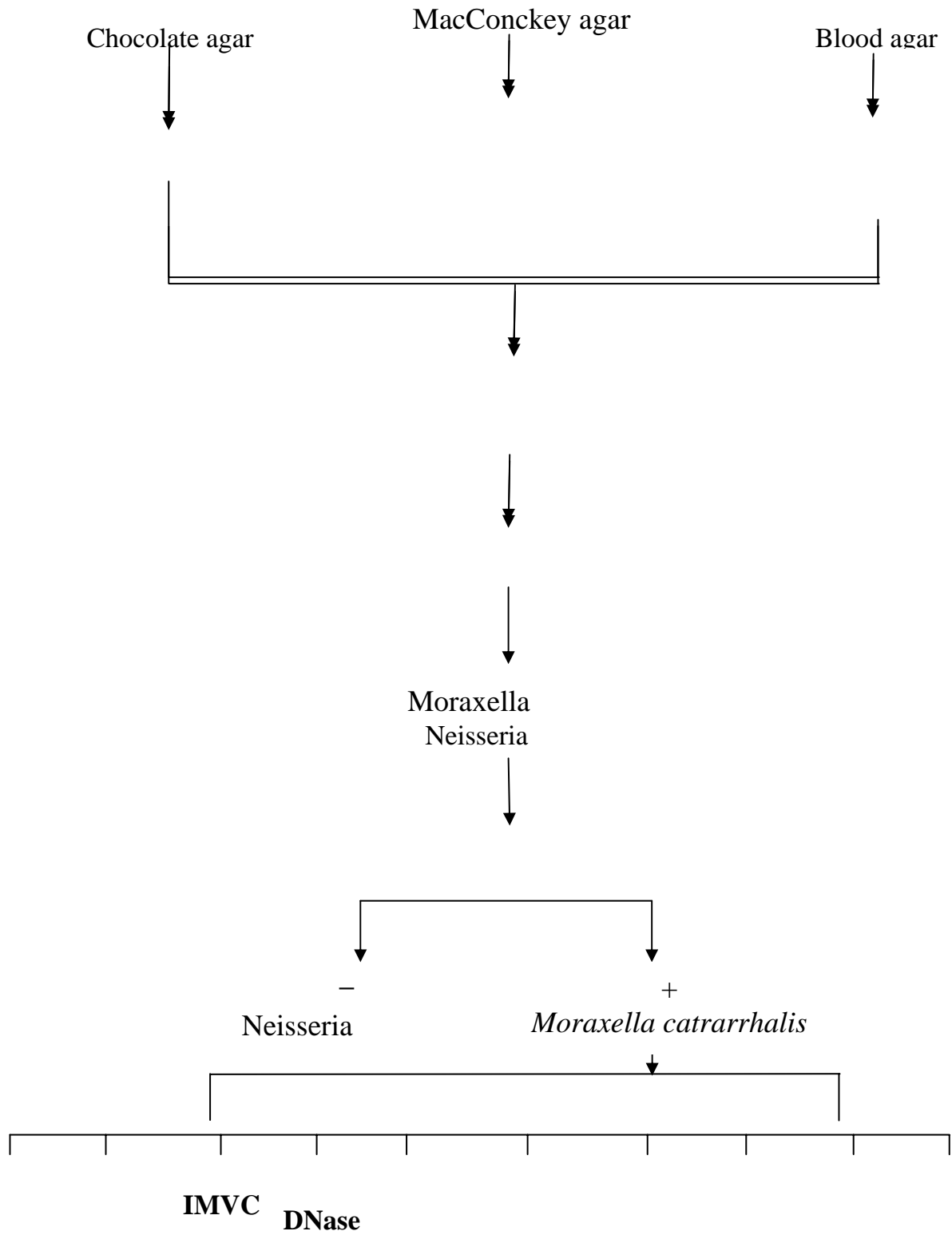
Coagulase

Neisseria

. (Ahmad et al., 1987; Speelevel et al., 1994).(Mannitol salt Agar)

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Moraxella catarrhalis



Moraxella catarrhalis

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. (Morgen and Good ., 1973; Baker .,1989).

Moraxella catarrhalis

.(Fedukowicz,1978)

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