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Black widow spiders

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Latrodectus

Black widow spiders

Red back widow

2013 2012

Southern black widow spider

(*Latrodectus hasselti*) spider

(*Latrodectus mactans*)

.Latrodectus :

New Record of Two Species of Black Widow Spider in Mosul City (Iraq)

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ABSTRACT

Two species of black widow spiders were recorded for the first time in Mosul city during the summer of 2012 and 2013. The spiders were the red back widow spider (*Latrodectus hasselti*) and a southern black widow spider (*Latrodectus mactans*). The first one is Australian while the second is American. These spiders weren't present in the Iraqi environment before the American occupation to Iraq but they may be introduced accidentally to Iraq with commodities, equipments and containers that occupation forces brought with them to Iraq.

These spiders are poisonous and dangerous to humans due to their neurotoxic poison which failure many physiological activities in the body and sometimes causing death if the currency processes took place quickly and giving the patient the specific antivenoms of these spiders.

Keywords: Black widow spiders, *Lactodectus*.

Class: Phylum: Arthropoda

Comb web spiders

Family: Theridiidae

Arachnida

Comb-footed spiders

Spinnerets

Latrodectus

.(Shuttlesworth, 1959)

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31

.(Farrand, 1988 ; Kaston, 1953)

Latrodectus

A-altratoxin a (LTX)

(Isbister and White , 2004)

.(Graudins *et al.*, 2001; Nyffeler *et al.*,1988)

Latrodectus

Biting in secret

;Clark *et al.*, 1992; Maretic, 1983)

.(Braitberg, 2009; Ellis *et al.*, 2005

Antivenom

(Meier and White, 1995)

.(Hippargi *et al.*, 2012 ; Isbister and Gray, 2003 ;Sutherland and Trinca , 1978)

(2003)

Threthewy

2012

Abdul-Rassoul

2012

2012/6/20

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2012/8/10

7/20

Latrodectus

Latrodectus

Latrodectus mactans Fabricius, 1775 *hasselti* Thorell, 1870
Red-back spider

Australian black widow spider

Kapara spider Murra-nugra spider Jocky spider Dangerous black widow spider
Kanna-jeri spider
1850

Tamerian thorell Van Hesselt .(Siliwal and Kumar , 2001)
.1870

Southern black widow spider

Shoe buttom spider Simply black widow spider
1775 John Christian Fabricus .Hourglass spider

L. Hesperus *Lactrodectus* *Aranea mactans*

L. various Western black widow spider

L. mactans 1970 Northern black widow spider
.Kaston
(Milne and Milne, 1990)

10

L. hasselti

L. mactans

L. hasselti

L. mactans

(2 1)

L. mactans

L. hasselti

4

4-3

(3)

(4) (Milne and Milne, 1990 ; Emerton, 1961 ; Kaston , 1953)



Latrodectus mactans :1



Latrodectus hasselti :2

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Latrodectus hasselti :4

Snow, (1970) Kaston, (1953)

.Foelix, (1996) Gertsch, (1979)

L. mactans

L. hasselti

.Siliwal and Kumar , (2001) Preston-Mafham and Preston-Mafham, (1996) Hillyard, (1994)



Latrodectus hasselti :5

13-11

.(6) 5-2

.Milne and Milne, (1990)

250

40

.(7)

5

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3-1

()

Milne and Milne, (1990)



:6



:7

Latroductus

Hippargi *et al.*, (2012)

21.37

8 9

Vink *et al.*, (2008)

130-120

3-2

7-6

325-60

167-37

15-13

Foelix (1996)

30-25

15-13

300-40

Commonwealth

Serum Laboratories (CSL) red-back spider antivenom

IV (Intramuscularly) IM *Latrodectus*
(Intravenously)

(Isbister and Sibbritt, 2004; Isbister and Gray, 2003; Isbister, 2002)

(Banham *et al.*, 1994) 3

2

(500×2) 2

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