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khoobdel@yahoo.com:

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Muscidae, Fanniidae, Calliphoridae

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Anthomyiidae Conopidae, Syrphidae, Tachinidae, Sarcophagidae,

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:

(Service 2004)

(Diptera)

(*Fannia*)

(Couri 2005; Pont 2002)

(Synanthropic)

(Monteiro and do Prado 2006)

Service )

(2004

(Myiasis)

(Sarcophagidae)

(Calliphoridae)

Ghavami 1998)

(Oestridae)

(Service 2004;

Monteiro and do Prado 2006; Forster)

(Muscidae)

(et al. 2007

Phaoniinae, Stomoxyinae, Muscinae

Lispinae

(Parchami 1994)

*Chrysomya* )

(*Ch. albiceps*)

(*megacephala*

(Nateghpour and Yaghubi 1986)

(Lane and Crosskey 1993; Couri 2005)

(Ghasemi 1988)

(Khoobdel et al. 2008, 2004)

Al-Behbehani) (*Oestrus ovis*)  
2006; Janbakhsh et al 1977; Masoodi and  
(Hosseini 2003

*Ch.bezziana*

Navidpour ) *Wohlfahrtia magnifica*  
et al. 1996; Delir et al. 1999; Davami et al.  
(.2005

(Muscidae)

(Fanniidae)

( )

Dabiri et al. )

(1999; Behbahani et al. 1997

(Net-hashing)

)

)

(

James 1947; Chillcott 1961; Oldroyd 1970;)

(McAlpine et al, 1987 ) ( )  
(  
( )

(Syrphidae) ( )

Fanniidae, Calliphoridae, Muscidae

Tachinidae, Sarcophagidae

Anthomyiidae Conopidae, Syrphidae

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Conopidae

Lispinae Phaoninae

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*M.stabulans* *F.scalaris*

( )

*Stomoxys calcitrans*

(Aschiza)

( )

(Schizophora)

*Eristalis*

: (Fallen., 1817) *Muscina stabulans*

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M

Posterior cell

(Scutellum)

(apex )

Syrphidae, Tachinidae

Anthomyiidae

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.: (Fabricius., 1794) *Fannia scalaris*

( )

(Hovering )

Lispinae

(Latrine fly)

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*Muscina stabulans*

Parafacial

*F. scalaris* ( )*M. stabulans*

.( b )

(L., 1761)

*F. canicularis**(Musca domestica)**Musca autumnalis**F. scalaris*

(Face fly) )

*F. canicularis*

Pickens and Miller )

.( a ) .

.(1980 ( )

*F. canicularis**Chrysomya albiceps**(Chrysomya albicep)**(Lucilia sericata)**Lucilia sericata**(Stomoxys calcitrans)*

Lang )

(Pont et al. 2005)

(et al. 2006; Lane and Crosskey 1993

(Service 2004; Pont, 2002)

*Eristalis*

Service 2004; )

*Eristalis tenax*

(Forster et al. 2007

Service 2004;; Lane and

(Crosskey 1993)

( )

*F. scalaris*

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/	(Muscidae)	(Fanniidae)
/		(Calliphoridae)
/		(Sarcophagidae)
		(Tachinidae)
/		(Syrphidae)
/		(Conopidae)
/		(Anthomyiidae)

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(Species)	(Genus)	(Subfamily)	(Family)
<i>Fannia canicularis</i> (L.,1761)	( <i>Fannia</i> )	(Fanninae)	(Fanniidae)
<i>Fannia scalaris</i> (Fabricius, 1794)*			
<i>Musca domestica</i> (L., 1761)	( <i>Musca</i> )	(Muscinae)	
<i>Muscina stabulans</i> (Fallen, 1817)*	*( <i>Muscina</i> )	*(Phaoninae)	(Muscidae)
<i>Stomoxys calcitrans</i> (L., 1758)	( <i>Stomoxys</i> )	(Stomoxinae)	
-	-	****(Lispinae)	

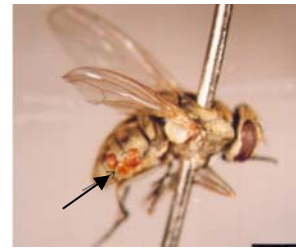
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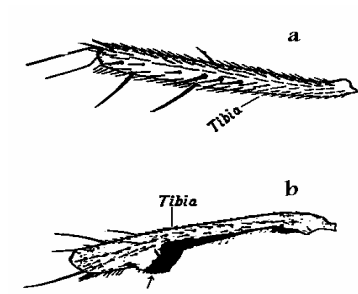
( )

( )	( )	( )	( )	
( )	( )	( )	( )	<i>Musca domestica</i>
	( )	( )	( )	<i>Mucina stabulans</i>
	( )			<i>Stomoxys calcitrans</i>
( )				<i>Fannia canicularis</i>
	( )	( )	( )	<i>Lucilia sericata</i>
		( )	( )	<i>Chrysomya albiceps</i>
( )	( / )	( )	( )	
( )	( )	( )	( )	



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( ) (a)  
( ) (b)

## References

- Al-Behbehani, B., 2006. SEM of the *Oestrus ovis* larvae causing myiasis of sheep in the state of Kuwait with a review on human infection. *J Egypt Soc Parasitol*, **36**(2), pp.643- 54.
- Behbahani, A.A., Tirgari, S. and Ghassemi M.J., 1998. An introduction to the biological control of house fly by wasps *Spalangia Endius* in Iran (Hymenoptera: Pteromalidae). *Urmia Med J*, **1-2**(9), pp. 55-61 [In Persian].
- Chillcott, J.G., 1961. A revision of the Nearctic species of Fanniinae (Diptera: Muscidae). *Can Entomol Suppl*, **14**(1), pp.295.
- Couri, M.S., 2005. An illustrated key to adult males of Neotropical *Fannia* Robineau-Desvoidy belonging to pusio sub-group (Diptera, Fanniidae). *Brazilian J Biology*, **65**(4), pp. 625-29.
- Dabiri, F., Tirgari, S. and Ghassemi M.J., 1999. Investigating the natural parasitism rate of housefly pupae in poultry and animal husbandries in and near Karaj and Shahriar. *Urmia Med J*, **3**(10), pp.153-60 [In Persian].
- Davami, M.H., Kiani, A., Salimi, M. and Farhadi E., 2005. Myiasis of scalp due to *Chrysomya Bezziana*: A case report. *Iranian J Dermatol*, **32**(8), pp.311-15 [In Persian].
- Delir, S., Handjani, F., Emad, M. and Ardehali, S., 1999. Vulvar myiasis due to *Wohlfahrtia magnifica*. *Clin Exp Dermatol*, **24**(4), pp.279-80.
- Forster, M., Klimpel, S., Mehlhorn, H., Sievert, K., Messler, S. and Pfeffer, K., 2007. Pilot study on synanthropic flies (e.g. *Musca*, *Sarcophaga*, *Calliphora*, *Fannia*, *Lucilia* and *Stomoxys*) as vectors of pathogenic microorganisms. *Parasitol Res*, **101**(1), pp. 243-46.
- Ghasemi, M.J., 1989. *Identification and distribution of human myiasis in Iran*. M.Sc thesis. Tehran University of Medical Sciences, Iran [In Persian].
- Ghavami, MB., 1998. *Medical entomology*. Zangan, Iran, pp.197 [In Persian].
- James, M.T., 1947. *The Flies That Cause Myiasis in man*. Washington, DC: US Government Printing Office, pp.228.
- Janbakhsh, B., Pirouz, MS., Tirgari, S. and AghaMohammadi, A., 1977. A case of ophthalmomyiasis in man by *Oestrus ovis* Linnaeus in Tehran (Insecta: Diptera, Oestridae). *Acta Med Iran*, **20**(1-2), pp.19-26.
- Khoobdel, M., Jonaidi, N. and Seiedi Rashti, M., 2008. Blowfly and flesh (Diptera: Cyclorrhpha) fauna in Tehran, Iran. *J Entomology*, **5**(3), pp.185-92.
- Khoobdel, M., Seyedi Rashti, S.M.A., Shayeghi, M. and Tirgari, S., 2004. The survey fauna of Calliphoridae and Sarcophagidae flies in Tehran and suburb. *J School Public Health and Institute Public Health Res*, **8**(2), pp.79-83 [In Persian].
- Lane, R.P. and Crosskey, R.W., 1993. *Medical insects and arachnids*. Hall and Chapman, Cambridge University Pres, United Kingdome, pp.211-28.
- Lang, M.D., Allen, G.R. and Horton, B.J., 2006. Blowfly succession from possum (*Trichosurus vulpecula*) carrion in a sheep-farming zone. *Med Vet Entomol*, **20**(4), pp.445-52.
- Masoodi, M. and Hosseini, K., 2003. The respiratory and allergic manifestations of human myiasis caused by larvae of the sheep bot fly (*Oestrus ovis*): a report of 33 pharyngeal cases from southern Iran. *Ann Trop Med Parasitol*. **97**(1), pp.75-81.
- McAlpine, J.F., Peterson, BV., Shewell, G.E., Vockeroth, J.R. and Wood, D.M., 1981, 1987. *Manual of Nearctic Diptera*, 2 Vols, Research Branch, Agriculture Canada, Monographs 27 and 28.
- Monteiro, M.R. and do Prado, A.P., 2006.

- Synanthropic flies (Diptera: Cyclorrapha) and their microhymenoptera parasitoids (Insecta: Hymenoptera) at Monte Mor poultry production system, São Paulo, Brazil. *Rev Bras Parasitol Vet*, **15**(2), pp.49-57. [Abstract].
- Nateghpour, M. and Yaghubi, M.R., 1986. The report of *Chrysomya megacephala* and *Ch. albiceps* in Bandar Abbas and Minab. *J Environmentology*, **13**(14), pp. 75-82 [In Persian].
- Navidpour, S., Hoghooghi-Rad, N., Goodarzi, H. and Pooladgar, A.R., 1996. Outbreak of *Chrysomya bezziana* in Khoozestan province. *Iran Vet Rec*, **139**(9), pp.217.
- Oldroyd, H., 1970. Diptera 1: *Introduction and key to families. handbook for the identification of British insects*. 3rd Edition. Royal Entomological Society of London, London.
- Parchami, M., 1994. *Taxonomic study of Calliphoridae (Diptera) in Iran*. MSc. thesis. Tehran University of Medical Sciences, Iran. [In Persian]
- Pickens, L.G. and Miller, R.W., 1980. Biology and control of the face fly, *Musca autumnalis* (Diptera: Muscidae). *J Med Entomol*, **17**(3), pp.195-210.
- Pont, A.C., 2002. The Fanniidae (Diptera) described by J. W. Zetterstedt. *Insect Systematics Evolution*, **33**(1), pp.103-12.
- Pont, A.C., Werner, D. and Kachvoryan, E.A., 2005. A preliminary list of the Fanniidae and Muscidae (Diptera) of Armenia. *Zoology in the Middle East*. **36**, pp.364-78.
- Service, M.W., 2004. *Medical Entomology for Students*, Third edition, Cambridge University Pres, United Kingdome, pp.100-125.