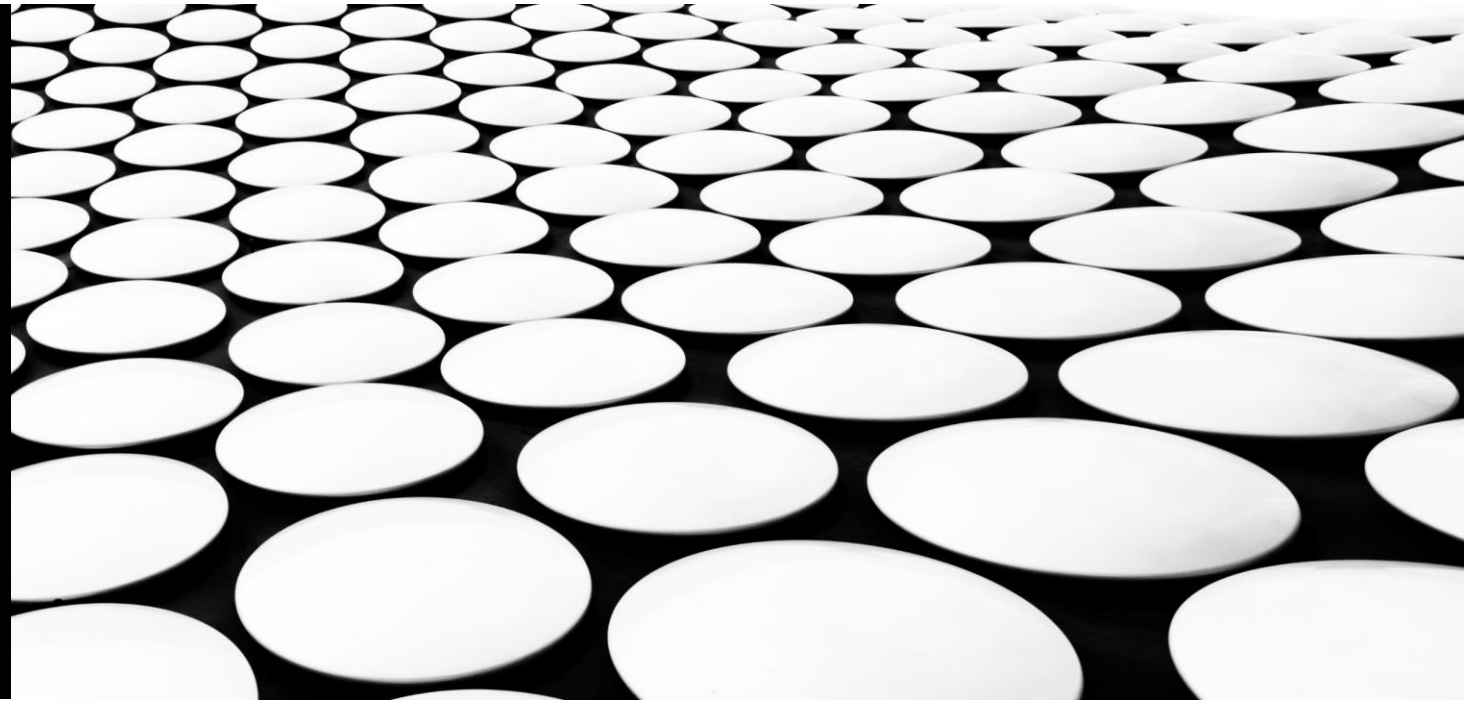
GZD – SOMMERFESTSPIELE – GREIFSWALD 2024

DER KRANKE GUPPY



WAS MACHT DIE FISCHE KRANK

Krankheitserreger

Pilze

Viren

Bakterien

Parasiten

krankheitsfördernde Faktoren

Schlechte Wasserqualität / fehlende Wasserhygiene

Stress

Einbringen von neuen Tieren ohne Quarantäne

Sauerstoffgehalt

Table III.- Number and mean intensity of parasites recovered from ornamental fishes.

Parasites recovered	Number of infected fish, number of parasites and mean intensity				
	C. auratus	*P. reticulata*	*P. sphenops*	*X. maculatus*	*X. helleri*
Monogenean	**57.96%**	**64.30%**	**59.16%**	**44.04%**	**49.04%**
G.turnbulli	0	15(123,8.2)	10(98, 9.8)	15(82,5.46)	10(72,7.2)
Gyrodactylus sp.	20(229,11.4)	0	0	0	0
D. extensus	42(586,13.9)	17(185,10.8)	5(92,18.4)	12(114,9.5)	8(56,7.0)
Protozoans	**37.48%**	**10.08%**	**3.42%**	**12.35%**	**15.70%**
Trichodina sp.	45(464,10.3)	10(42, 4.2)	9(11,1.2)	10(35 ,3.5)	5(20,4.0)
Chilodonella sp.	0	3(6, 2.0)	0	0	0
I. multifiliis	15(63,4.2)	0	0	0	0
P.pillulare	0	0	0	0	3(15,5.0)
Tetrahymena sp.	0	0	0	0	2(6,3.0)
Epistylis sp.	0	0	0	5(20,4.0)	0
Digenean	**00**	**25.21%**	**37.38%**	**43.59%**	**35.24%**
Cryptocotyle sp.	0	15(120, 8.0)	7(120, 17.1)	9(194,21.55)	10(92,9.2)
Crustacean	**3.72%**	**00**	**00**	**00**	**00**
L. cyprinacea	1(2, 2.0)	0	0	0	0
A. foliaceus	25(62,2.48)	0	0	0	0
Total parasites	1406 (48.33%)	476(16.36%)	321(11.03%)	445(15.28%)	261(8.97%)
Mean intensity	31.24	15.86	24.69	22.25	17.4

Quelle: Haroon, Iqbal: „Parasitic Infections of Some Freshwater
Ornamental Fishes Imported in Pakistan“
Pakistan J. Zool., vol. 46(3), pp. 651-656, 2014

Species of ornamental fish	No. examined	No. infected	Parasite species											
			Dactylogyrus	*Gyrodactylus*	*Trichodina*	*Tetrahymena*	*Ichthyophthirius*	*Ichthyobodo*	*Piscinoodinium*	*Lernaea*	*Ergasilus*	*Argulus*	*Capillaria*	*Centrocestus*
Guppy *Poecilia reticulata*	590	262	91	63	42	50	0	13	0	0	14	0	4	0
Goldfish *Carassius auratus*	153	94	47	35	7	3	0	0	9	7	2	4	0	12
Platy *Xiphophorus maculatus*	143	35	15	7	11	0	5	0	0	0	2	3	0	0
Molly *Poecilia sphenops*	106	65	33	9	22	5	0	5	0	6	0	0	0	0
Barbs *Capeota* and *Puntius* spp.	95	36	11	7	12	1	7	3	0	0	0	0	0	0
Angel *Pterophyllum scalare*	92	71	36	2	26	1	5	0	0	0	0	0	3	0
Fighters *Betta splendens*	84	30	15	4	6	0	6	0	4	0	0	0	0	0
Tetras *Hyphessobrycon* sp.	75	28	12	8	10	0	0	0	0	0	0	0	0	0
Swordtail *Xiphophorus helleri*	66	11	5	2	2	0	0	0	0	0	2	0	0	0
Gourami *Colisa* sp.	64	28	9	10	3	0	0	0	4	2	0	0	0	0
Carp *Cyprinus carpio*	44	21	6	4	0	3	0	5	2	18	0	13	0	0
Other (*Brachydanio* and *Astronotus* spp.)	08	0	0	0	0	0	0	0	0	0	0	0	0	0
Total fish	1520	689	280	151	141	63	30	26	19	33	20	20	7	12
Prevalence (%) of infected fish		45.3	18.4	9.9	9.3	4.1	2.0	1.7	1.3	2.2	1.3	1.3	0.5	0.8
Number of infected farms	26	23	23	21	13	9	4	3	5	10	5	3	4	3

GZD
Guppy-Züchter Deutschland

Es stellt sich die Frage:

„ Wie viele Zierfische im Einzelhandel sind überhaupt gesund?“

Quelle:
Dis Aquat Organ. 2003 Mar 31;54(2):157-62.
„Parasitic infections in freshwater ornamental fish in Sri Lanka.“
Thilakaratne ID1, Rajapaksha G, Hewakopara A, Rajapakse RP, Faizal AC.

ERKENNEN VON PARASITEN

- Diagnostizieren mit dem Mikroskop.

versus

- Spekulieren durch das Deuten der Symptome.

<u>Für Interessierte:</u>

Es sei die Anschaffung und Nutzung eines Mikroskops und guter Fachliteratur zum Thema Fischkrankheiten empfohlen.