Letter to Editor

Parasitic Appendicitis

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To the Editor,

The recent report on parasitic appendicitis is very interesting.¹ Zakaria et al. reported that "The low prevalence of parasites among the appendectomy specimens did not support the notion that parasites were a major cause of appendicitis in pediatric patients."1 Indeed, the parasitic infestation can be a cause of appendicitis. There are limited reports on the prevalence of parasitic appendicitis. The reported prevalence rates vary among different settings. In fact, Zakaria et al included in Table 5 a literature review of cases of "appendiceal enterobius infections" reported in the literature in their original paper.¹ Based on the mentioned table, most reports are from non-tropical non-endemic Western countries, therefore, the reported rates seem to be low.¹ However, it should be noted that the data in the mentioned table included both groups with and without inflammation of the appendix. At this point, the important concern is about the infection rate in endemic versus non-endemic regions. If the prevalence in the report by Zakarreia et al. is actually low,¹ it should be comparatively lower than or similar to the rates in the reports from the tropical endemic countries. Here, at least two other rates in the literature that happen to be lower than that described by Zakarreia et al. could be seen and are hereby given as examples.

In the first study from Turkey, the significantly lower prevalence rate of 0.5% was reported.² Of interest, the observed prevalence rate in the present study (5.5%) is also higher than that of the previous report from a tropical country, Brazil (1.5%).³ In fact, parasitic infestation should not be high in Oman. The underlying factor contributing to a rather high prevalence rate of parasitic infestation should be further assessed. Nevertheless, some common facts can be seen from the present and previous reports. Focusing on the type of parasite, *Enterobius spp.* is usually the most common worm seen in almost all reports.^{1.4}

Table 5: Literature review of appendiceal enterobius infections.¹

Study author	Year	Appendec- tomies	Appendiceal pin worms	Appendiceal inflamma- tion
Duran-Jorda	1957	691	52	0
Abramson	1966	1	1	1
Tolstedt	1968	NR*	33	25
Boulos	1973	68	8	2
Mogenson	1980	1	1	1
Sterba	1984	2,1916	1,322	23
Sterba	1985	2,925	82	41
Budd	1987	1,529	38	19

Study author	Year	Appendec- tomies	Appendiceal pin worms	Appendiceal inflamma- tion
Bredesen	1988	303	38	17
Williams	1988	12,132	182	58
Gupta	1989	2,921	41	17
Cerva	1991	414	36	NR
Sinnah	1991	NR	259	0
Weibe	1991	2,267	94	26
Dalimi	1993	1,590	38	17
Dahlstrom	1994	1,867	63	23
Dorfman	1995	3,125	14	14
Zoorob	1996	1	1	0
Ajao	1997	1	1	0
Saxena	2001	62	3	2
Baitsatou	2002	1	1	0
Totals		51,815	2,308	286

 Table 5: Literature review of appendiceal enterobius infections.¹

 -continued

* (*NR* = not reported)

References

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Sincerely,

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