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Detection of *Giardia* cysts in sewage and estimations prevalence among inhabitants in Hyogo Prefecture,

[TAKUYA ODA](#)¹⁾, [MASATO KAWABATA](#)¹⁾ and [SI](#)

1) International Center for Medical Research and Treatment, Kobe Medicine

2) Department of Medical Technology, Faculty of Health Sciences, of Medicine

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Abstract: We recovered *Giardia* cysts from sewage and estimate giardiasis among inhabitants in Hyogo Prefecture, western Japan. T samples were collected once a month from two different sewage pl one-year period. After pretreating the samples by filtration and cent presence of alcohol and diethyl ether, an immunomagnetic separatic to isolate *Giardia* cysts. The mean number of cysts recovered from 880L and 2,000L, respectively. Circadian rhythms in the number o

of two examination days were observed with a peak at 10:00 a.m., in cyst numbers were also observed with two peaks in May and De data obtained from this survey, we estimated that the prevalence of habitants in the areas serviced by plants A and B were 0.1-1.1 and

Key words: [Giardia intestinalis](#), [sewage](#), [detection method](#), [pre](#)

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