



In Dogs That Have Had Intussusception Does Enteroplication Prevent Recurrence?

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Hi everyone. My name is Faye. Thank you for listening to this audio recording of my Knowledge Summary, which is titled In Dogs That Have Had Intussusception Does Enteroplication Prevent Recurrence?

So, this question was chosen due to the fact that in first opinion practice, we often come across intussusception cases that we have to operate on. However, the recurrence rate in these cases is quite high with one study reporting the rates to be as high as 22%. Enteroplication is sometimes being used by surgeons as a prophylactic measure for recurrent intussusception.

So, I wanted to find out what evidence there is to support that this procedure can successfully be used to prevent recurrence in these cases. Unfortunately, the number of available papers looking at this topic is low. I was only able to find four relevant papers that I could include in my Knowledge Summary. And all of them were old retrospective case series and case reports. That only involved a small number of cases.

It appears though that in all studies enteroplication reduced the probability of recurrent intussusception. However, the difference in the recurrence rate with or without the procedure was not statistically significant further to this. It appears that enteroplication result into some severe complications, including intestinal obstruction and strangulation of the enteroplicated loops. In three out of four studies, it was recommended that when enteroplication is performed, it should include the entire small intestine and not just a part of it. At this point, it's probably worth mentioning that there was only one case in all four studies that had undergone enteroplication and developed subsequent intussusception and this case had undergone under jejunal plication alone.

So, there wasn't really anything surprising in any of the evidence and unfortunately, due to the low number of the studies published due to their retrospective nature and due to the small number of cases that they involved, it is impossible to say for certain, that enteroplication does reduce the recurrence rates, since there could be other factors which have not yet been identified, affecting that as well. Therefore, future higher-quality research is warranted in order to be able to make more definitive conclusions on this topic.

I hope this Audio Summary was helpful and please feel free to contact me if you've got any questions.

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