

In the Name of GOD



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A Comparison of the Effectiveness of Levofloxacin versus Clarithromycin as first line therapy in the eradication of Helicobacter pylori infection: A randomized clinical trial

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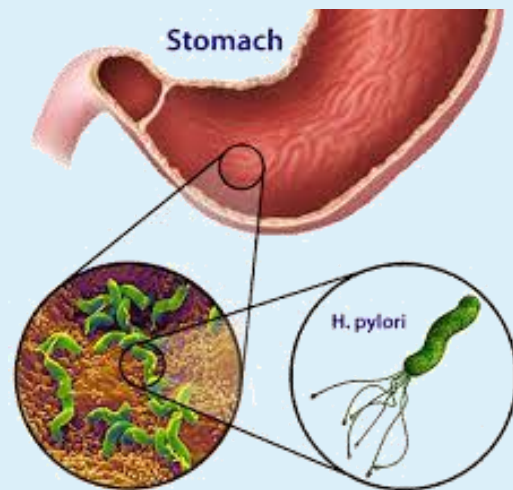
Aim

Compare the effectiveness of Levofloxacin versus Clarithromycin in the eradication of *H. pylori*



Helicobacter pylori (H. pylori)

- The main known cause of gastritis, gastroduodenal ulcer disease, and gastric cancer
- Eradication of H. pylori can be an effective method of treatment for peptic ulcer disease and mucosa-associated lymphoid tissue lymphoma
- It is especially important for reducing the development of new-onset gastric cancer as well as secondary gastric cancer after endoscopic treatment



Methods

- Randomized clinical trial study
- 170 cases with *H. pylori* infection
- Afzalipour Hospital, Kerman, Iran
- ‘A’ group was treated with Clarithromycin (500 mg twice a day), Pantoprazole (40 mg twice a day) and Amoxicillin (1 gr twice a day) for 14 days.
- ‘B’ group was treated with Levofloxacin (250 mg twice a day), Pantoprazole (40 mg twice a day) and Amoxicillin (1 gr twice a day) for 14 days
- Stool *H. pylori* antigen test was performed on them after one month of the end of treatment



Results

	Group B		Group A		Variable
	41±13.75		42±11.88		Age
P	%	N	%	N	Sex
0.805	45.8	٣٩	49.4	٤٢	Male
	54.2	٤٦	50.6	٤٣	Female
	١٠٠	٨٥	١٠٠	٨٥	Total

Results

P	Group B		Group A		Group H. pylori eradication
	%	N	%	N	
0.037	92.9	79	61.1	52	Successful eradication
	1.7	6	38.9	33	Not Successful eradication

Results

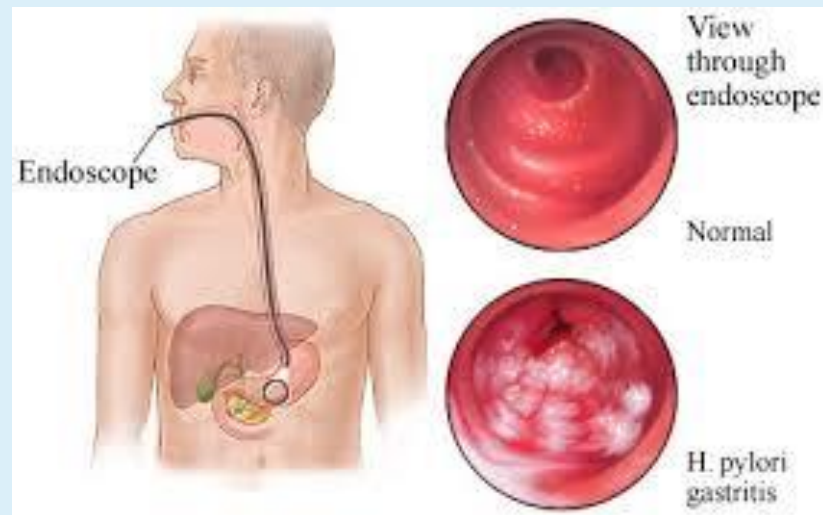
P	Group B		Group A		Drug complications
	%	N	%	N	
0.771	4.7	4	7.1	6	Yes
	95.3	81	92.9	79	No


Results

P	Group B		Group A		Type of drug complication
	%	N	%	N	
0.772	2.3	۲	1.2	۱	Nausea
	۰	۰	2.3	۲	Vomit
	۰	۰	1.2	۱	Diarrhea
	2.3	۲	2.3	۲	Abdominal pain

Conclusion

- Levofloxacin-containing regimen was more effective in eradicating *H. pylori* than the standard Clarithromycin triple therapy



A bouquet of flowers, including a large pink dahlia, white baby's breath, and greenery, is tied with a rustic twine. A brown paper tag with a purple circular hole is attached to the twine. The tag has the words "Thank you!" written in a cursive font. The bouquet is resting on a dark, weathered wooden surface.

Thank
you!