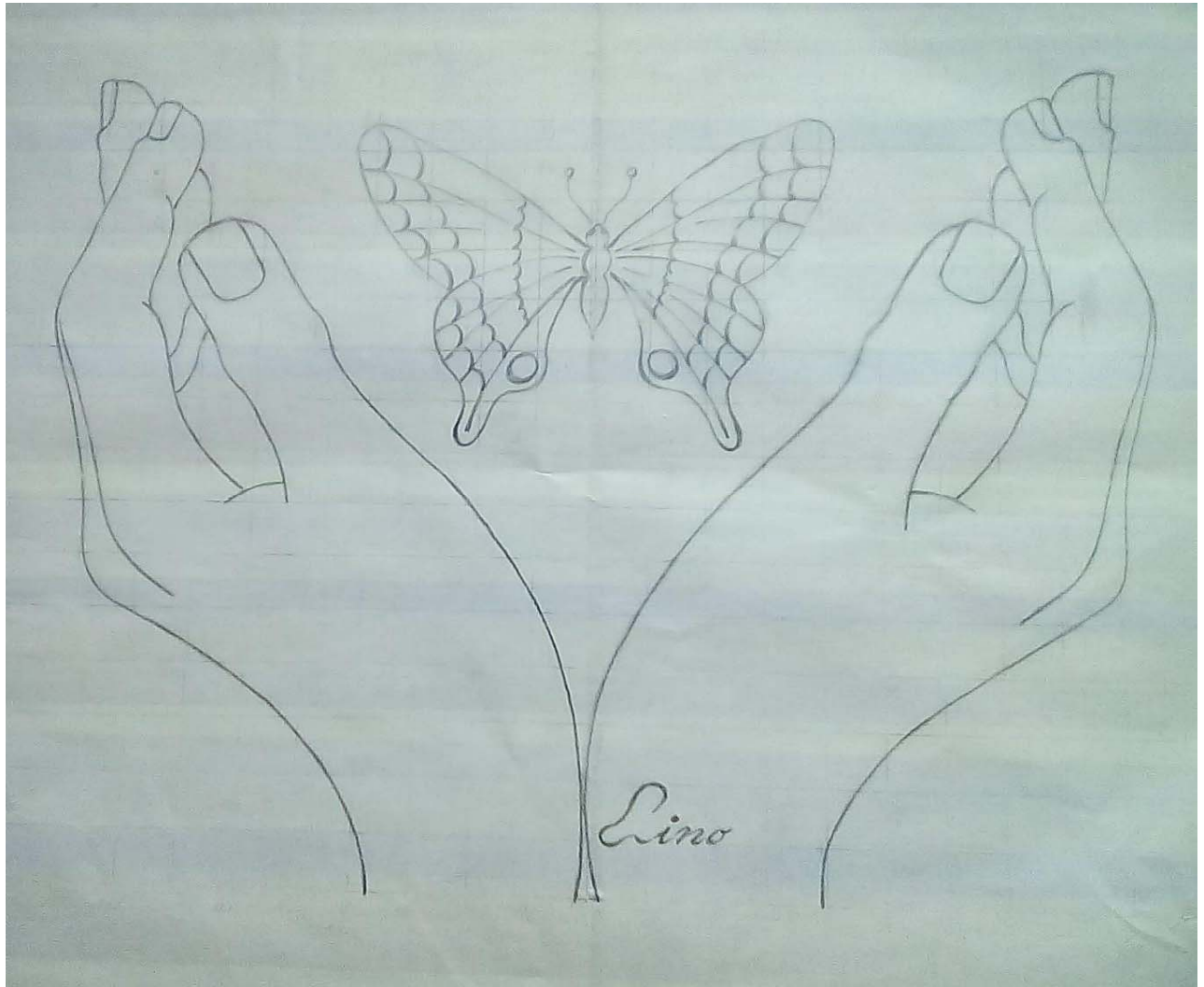


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EFFICACY AND SAFETY OF FERACHEL ORO IN PATIENTS WITH DYSPHAGIA: MEDICAL AND NURSING ASPECTS.

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KEYWORDS: anaemia, medical aspect, nursing aspect.

KEY-WORDS: ANAEMIA, DYSPHAGIA, HRV.

ABSTRACT

Background: Anemia is a very frequent clinical condition in the geriatric population and is often associated with poor therapeutic compliance due to the need for simultaneous supplementation of iron, folic acid, vitamin B12 and other trace elements in elderly patients with dysphagia. **Aim:** The aim of our study is to evaluate the efficacy and cardiovascular safety of ferachel-oro (orodispersible) for the treatment of secondary anemia. **Materials and Methods:** In our study, 8 subjects affected by secondary anemia associated with dysphagia due to senile cognitive decline were enrolled. All enrolled subjects, aged over 50 years, voluntarily agreed to undergo screening for anemia, dysphagia and outpatient follow-up using a non-invasive method for the evaluation of neurovegetative tone by studying heart rate variability on digital electrocardiographic recording lasting about 250 beats. All patients consented to perform the laboratory screening procedure and to process their personal data. After the blood evaluation of the laboratory tests, the enrolled patients underwent dysphagia evaluation by swallowing test and digital electrocardiographic evaluation lasting about 250 beats with a 5-lead medixai electrocardiograph. **Results:** Data analysis showed a statistically significant change in serum sideremia values after 1 month of therapy with Ferachel-oro, confirming the efficacy of the therapy. No statistically significant changes were observed in the study parameters in the frequency domain of neurovegetative tone (LF, HF, LF/HF). **Discussion:** The data in the table show that therapy with Ferachel-oro determines a statistically significant improvement in serum sideremia values after 1 month of treatment at a dosage of 1 stick per

day administered orally. These values are associated with a normalization of serum sideremia values without any statistically significant change in cardiovascular risk and parameters relating to neurovegetative activity. **Conclusions:** The pilot study we conducted allowed us to highlight the neutrality of Ferachel-oro on neurovegetative activity, an indirect index of cardiovascular safety. In patients treated with Ferachel-oro, a statistically significant improvement in sidermia values was highlighted, confirming the therapeutic effect in secondary anaemias concomitant with dysphagia due to senile cognitive decline. Currently, the size of the sample under examination is not sufficient to make a reliable evaluation that can be extended to the entire population.

	BASE $\pm$ DS	CONTROL $\pm$ DS	Probability (P)
Fe⁺⁺	21,375 $\pm$ 7,539	47,875 $\pm$ 8,184	<0,001
FFT-LF	42,925 + 11,994	48,525 + 16,009	0,237
FFT-HF	56,650 + 12,042	51,325 + 15,928	0,244
FFT-LF/HF	0,827 + 0,380	1,152 + 0,782	0,215
AR-LF	44,188 + 16,020	44,237 + 16,845	0,130
AR-HF	55,616 + 15,936	51,913 + 17,730	0,650
AR-LF/HF	0,963 + 0,701	1,514 + 1,009	0,230

Tab. 1 Descriptive analysis of data relating to the FREQUENCY DOMAIN ANALYSIS of neurovegetative tone and serum iron values before and after treatment with Ferachel Orosolubile. The probability is considered significant only if $P < 0.050$.

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Abstract created from the synthesis of the experimental section of the thesis. Authors: [Mansutti Chiara](#)
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