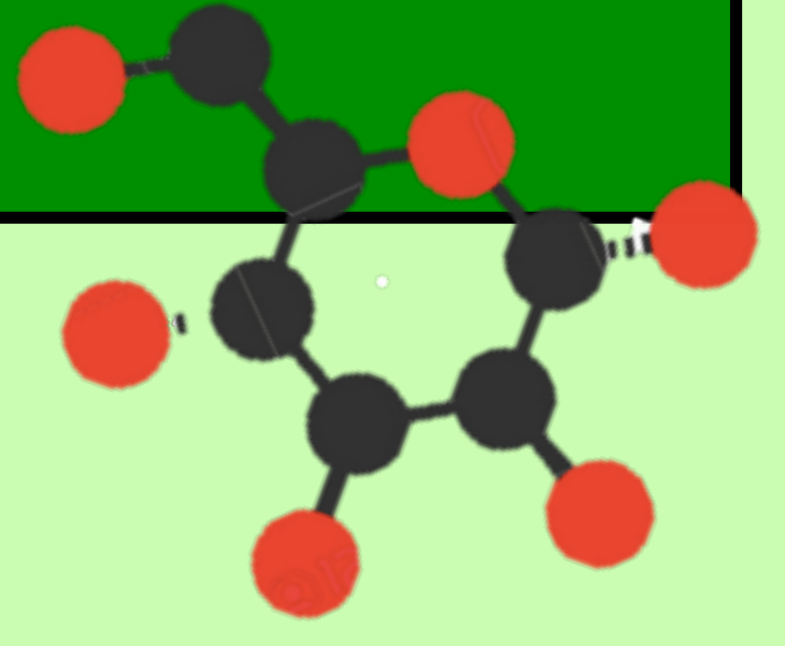


# NEW APPROACH TO THE MANAGEMENT OF THE HEREDITARY FRUCTOSE INTOLERANCE HYPOGLYCAEMIA: TREATMENT WITH ORAL MANOSE



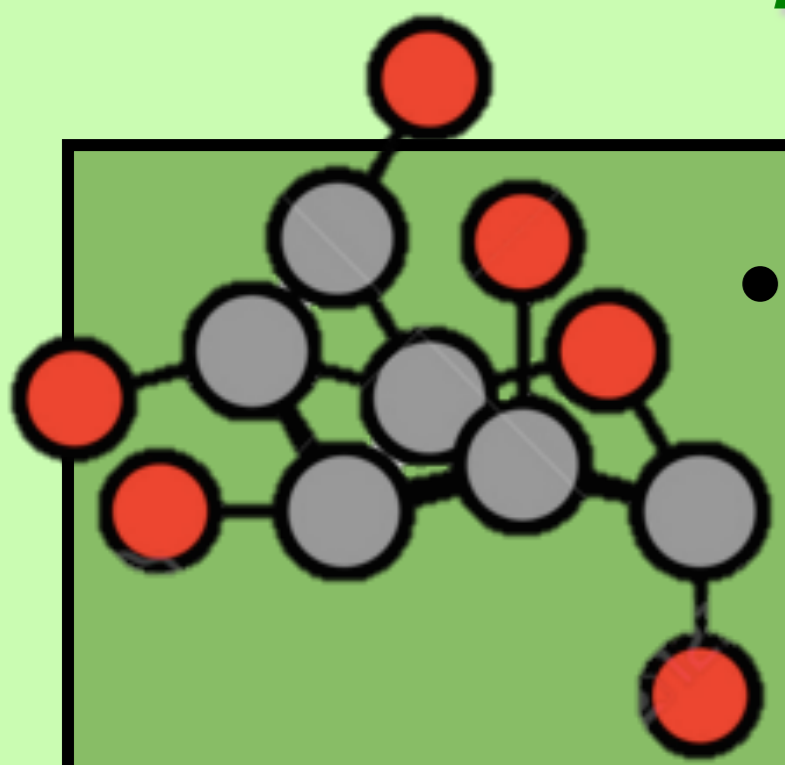
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## Purpose

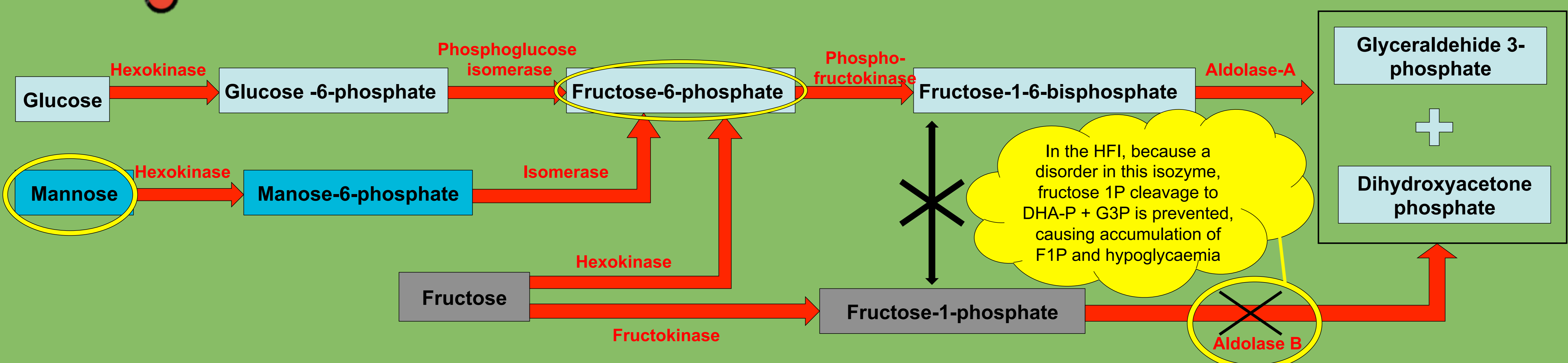
To ascertain that oral manose is an effective and save alternative to oral glucose in the rapid management of HFI hypoglycemia.

Hereditary Fructose Intolerance (HFI) - a deficiency of fructose-1-phosphate aldolase, isozyme b, – is characterized by hypoglycemia, which can follow fructose ingestion or appear between meals. The ingestion of fructose must be avoided, so there are not many options besides oral glucose to correct promptly hypoglycemia symptoms.

## Methods



- Description of three cases: Three infants diagnosed with HFI.
- Several sugar routes have been studied, seeking common points between them:



- Mannose has appeared as an option for hypoglycemia treatment, but there is no published experience of use.
- **Treatment was started with 2 g t.i.d.**
- Glycemia was measured t.i.d or q.d.s. Glycosylated haemoglobin was measured before every visit to the hospital.

## Results

Glycemic measurements during the treatment:  
Glycemia values: 78-100 mg/dL.  
Hb1ac 5,1-5,7%

**GLYCEMIC CONTROL  
CLINICAL IMPROVEMENT**

## Discussion

In spite of the limited number of patients and the lack of a well designed study, the results were favourable: no side effects were described and the patients have shown a glycemic control improvement. This is the first published information about this matter.

## Conclusions

**Despite the scarce evidence, oral mannose seems to be an effective and safe alternative to oral glucose in the management of HFI abnormalities.**