

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

“شیراز” پایتخت فرهنگ و ادب ایران



GASTROESOPHAGEAL REFLUX IN CHILDREN (CLINICAL MANIFESTATION)

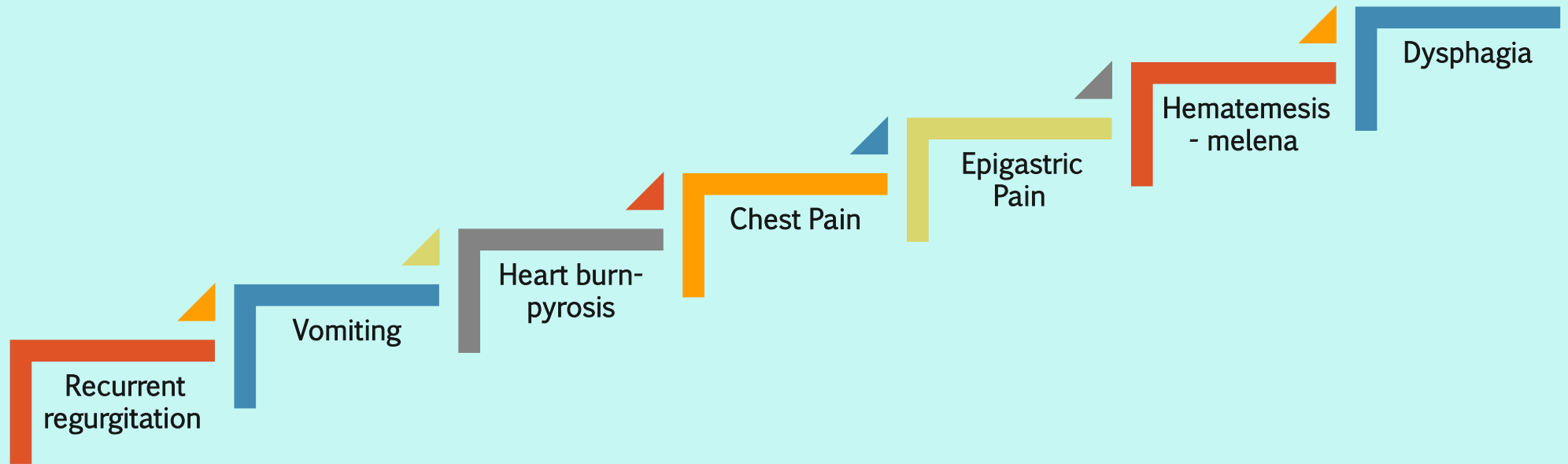


Symptoms and signs of G.E reflux (General)

❖ Discomfort	❖ Dental erosion
❖ Irritability	❖ Anemia
❖ Feeding refusal	❖ WT loss
❖ Dystonic neck posturing (Sandifer syndrome)	❖ Poor WT gain

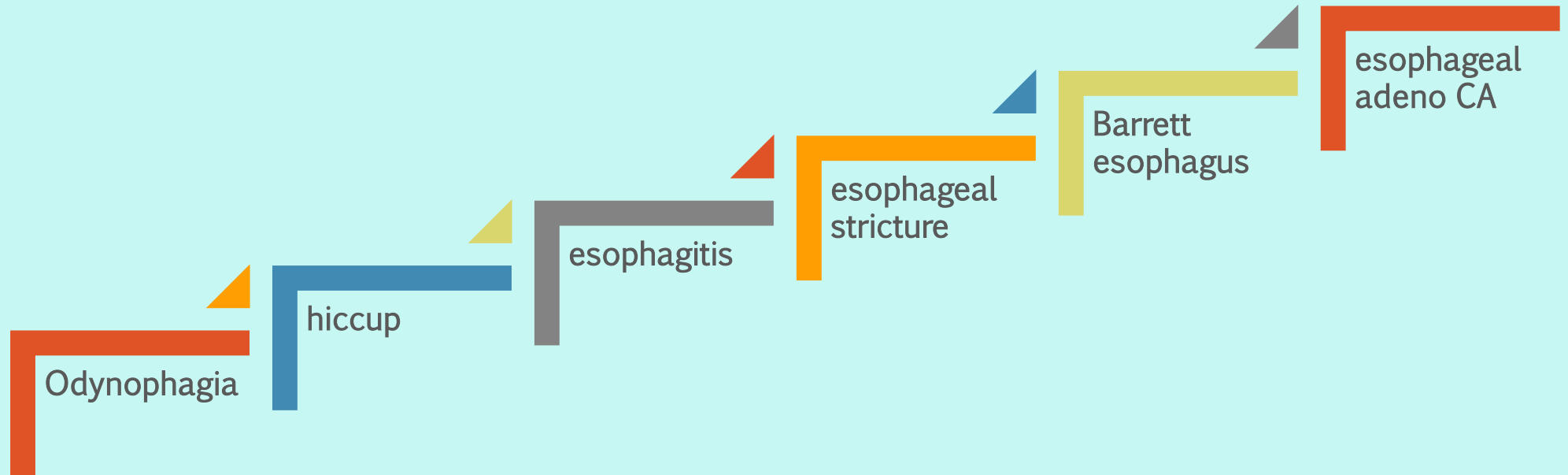


Symptoms and signs OF G.E reflux (Gastrointestinal 1)



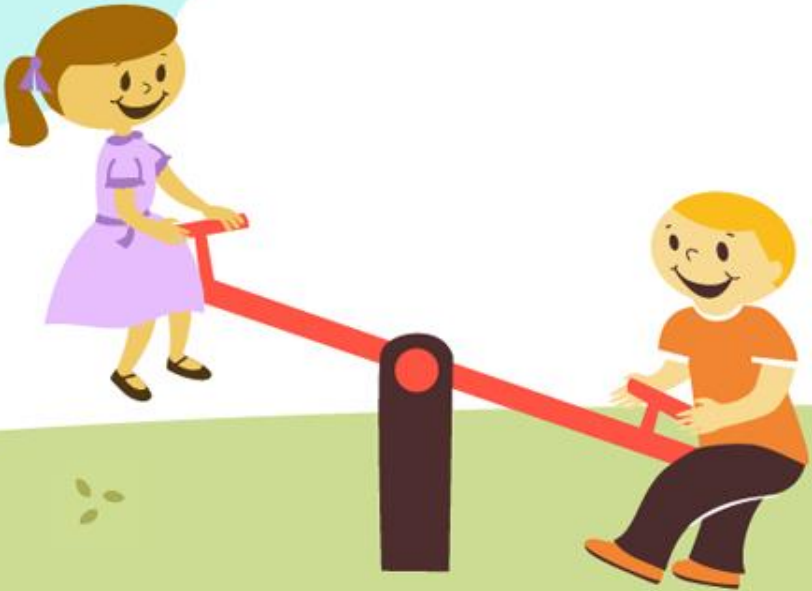
Symptoms and signs OF G.E reflux

(Gastrointestinal 2)



Symptoms and signs of G.E reflux (airway)

✓ wheezing	✓ recurrent Pneumonia
✓ Stridor	✓ recurrent otitis media
✓ Cough	✓ globus Pharyngeus
✓ Hoarseness	✓ Sinusitis
✓ apnea Spell	✓ vocal nodule
✓ asthma	



Red Flag For G.E REFLUX 1

☐ WT loss	☐ lethargy
☐ Fever	☐ excessive irritability
☐ dysuria	☐ onset of vomiting after 6 Mo's
☐ Persisting of vomiting after 18 Mo's	☐ bulging of Fontanel
☐ Seizure	☐ macro-microcephaly



Red Flag For G.E REFLUX 2

- | | |
|--------------------------------|----------------------|
| ▪ bilious vomiting | ▪ hematemesis |
| ▪ chronic diarrhea | ▪ Rectal bleeding |
| ▪ Persistent Forceful vomiting | ▪ nocturnal vomiting |
| ▪ abd. Distention | |



Differential Diagnosis OF G.E REFLUX (gastrointestinal)1

➤ Pyloric stenosis	➤ antral duodenal web
➤ malrotation with Volvolus	➤ F.B
➤ intussusception	➤ incarcerated hernia
➤ Hirschsprung	➤ Sup.mes.art. Syndrome

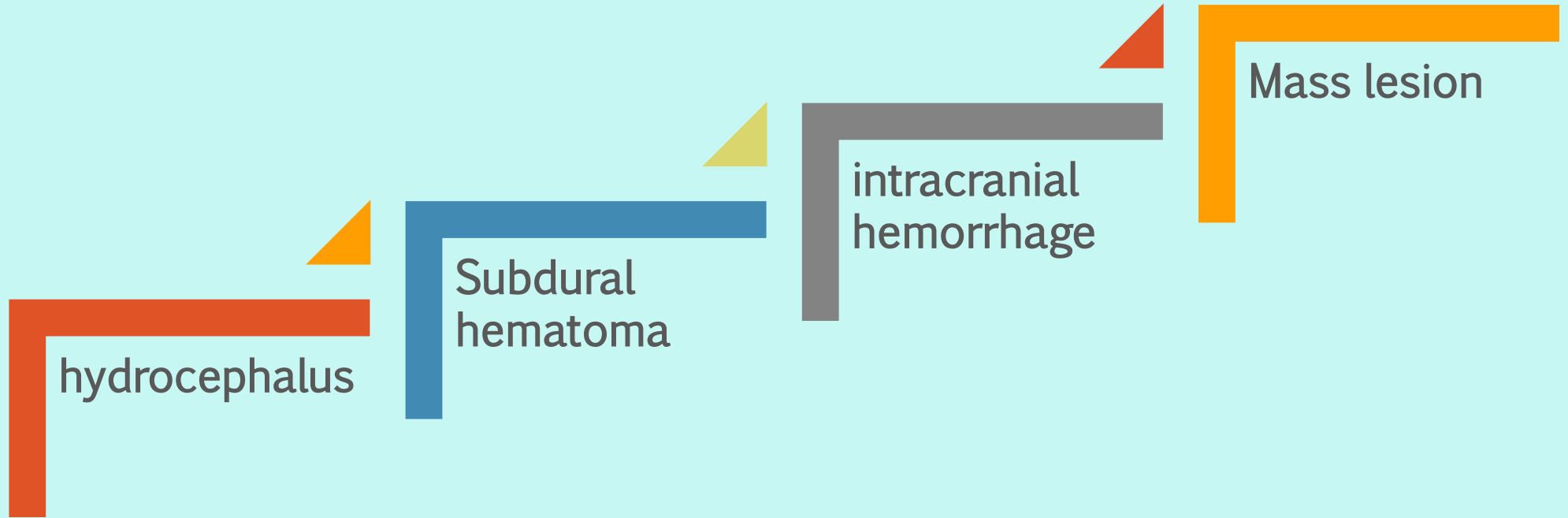


Differential Diagnosis OF G.E REFLUX (gastrointestinal)2

➤ achalasia	➤ eosinophilic esophagitis
➤ gastroparesis	➤ Food allergy- intolerance
➤ gastroenteritis	➤ IBD
➤ Peptic ulcer	➤ Pancreatitis
➤ appendicitis	

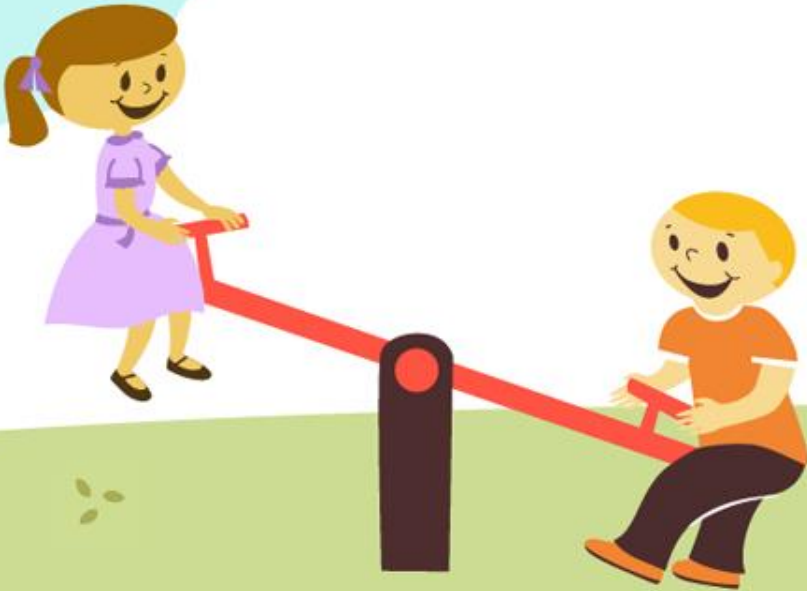


Differential Diagnosis OF G.E REFLUX (neurologic)



Differential Diagnosis OF G.E REFLUX (Metabolic)

✓ galactosemia	✓ hereditary Fructose intolerance
✓ urea cycle defect	✓ amino and organic acidemia
✓ Fatty acid oxidation defect	✓ Met. acidosis
✓ Cong adrenal hyperplasia	✓ lead Poisoning



8) Differential Diagnosis OF G.E REFLUX (infectious)

✓ sepsis	✓ upper / lower airway infection
✓ meningitis	✓ otitis media
✓ UTI	✓ hepatitis



8)Differential Diagnosis OF G.E REFLUX (Cardiac)

❖ heart Failure	❖ Renal
❖ Vascular ring	❖ obstructive uropathy
❖ autonomic dysfunction	❖ Renal insufficiency



Differential Diagnosis OF G.E REFLUX (others)

