

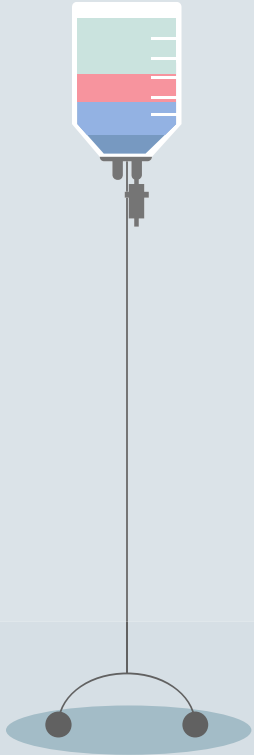
بنام خدا

Treatment and Complications

دکتر مطهره آقاجانی دلاور
متخصص کودکان
هیات علمی دانشگاه علوم پزشکی
ایران



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Hydration

More susceptible than adults to dehydration

Dehydration must be evaluated rapidly

correct in 4-6 hr

ORT or IV??

ORS

emesis



Dehydration

TABLE 17.5

4-POINT DEHYDRATION SCALE

Clinical finding	Interpretation
Ill appearance	0 feature = not dehydrated
Dry mucous membranes	1 feature = mild dehydration
Decreased tears	2–3 features = mild to moderate dehydration
Capillary refill >2 s	4 features = severe dehydration



Dehydration

Clinical finding
Decreased skin elasticity
Capillary refill >2 s
Ill appearance (tired, listless)
Absent tears
Abnormal respirations
Dry mucous membranes
Sunken eyes
Abnormal radial pulse
Tachycardia (>150)
Decreased urine output (parental report)



Dehydration



Rehydration Therapy

mild

1cc/kg Q5min over 4 h

moderate

2cc/kg Q5min over 4 h



Rehydration Therapy

severe

20 cc/kg over 20 min x
3

shock



types of fluid

deficit

maintenance

Ongoing loss

Ongoing loss

Solution: D5 $\frac{1}{2}$ NS + 30 mEq/L sodium bicarbonate + 20 mEq/L KCl
Replace stool mL/mL every 1-6 hr

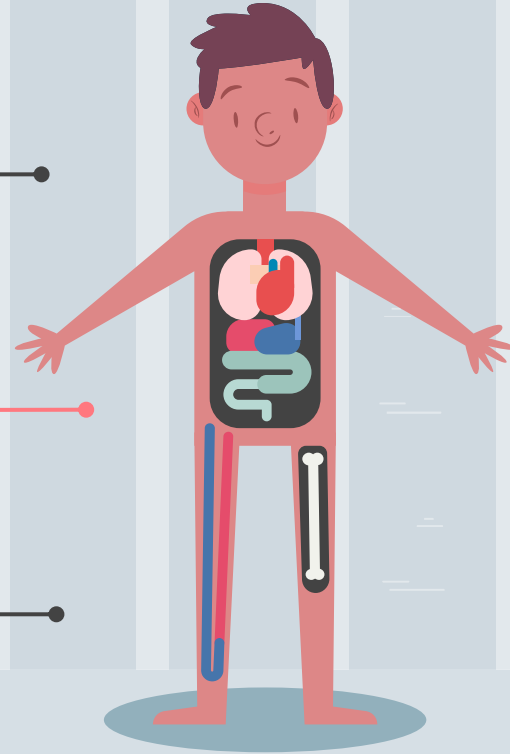
Solution: normal saline + 10 mEq/L KCl
Replace output mL/mL every 1-6 hr

6 h

Diet Selection

Zinc

Additional Therapies



Antibiotic Therapy

Shigella

- Ciprofloxacin
- Ceftriaxone
- Azithromycin
- Cefixime
- Trimethopri
m-
sulfamethox
azole

ETEC

- Azithromycin
- Ciprofloxacin

STEC

Avoid
antimicrobial
s and anti-
motility drugs

Antibiotic Therapy

Salmonella,
non-typhoidal

treatment of
Shigella

Yersinia spp.

- cephalosporins.
- doxycycline
- Aminoglycosi
de
- TMP-SMX
- fluoroquinolo
ne.

Campylobacter

- Erythromycin
- Azithromycin
- Fluoroquinolone

Clostridium
Difficile

- Metronidazole
- Vancomycin

Entamoeba
Histolytica

- Metronidazole
- Tinidazole
- Paromomycin
- Iodoquinol

Giardia
Intestinalis

- Tinidazole
- Metronidazole

Cryptosporidium
m

- Nitazoxanide
- paromomycin
- +azithromycin

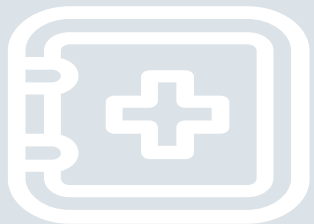
Cyclospora

- TMP and
SMX

Blastocystis
Hominis

- Metronidazole

Prevention



**Breastfeedi
ng**

Vitamin A

**Rotavirus
Immuniza
tion**

Chronic diarrhea

replacement of fluid and electrolyte

Zinc

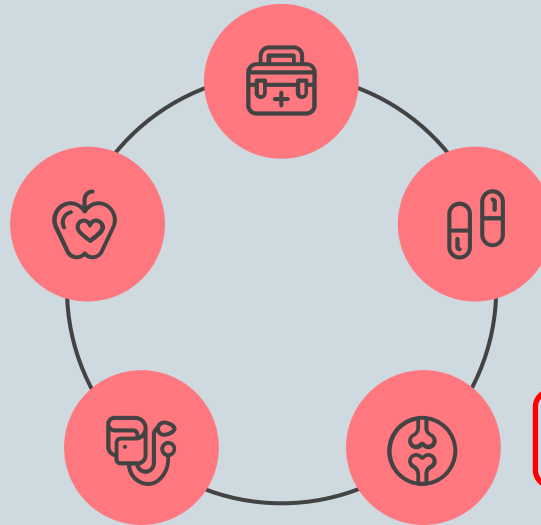
Nutritional rehabilitation

Micronutrient and vitamin

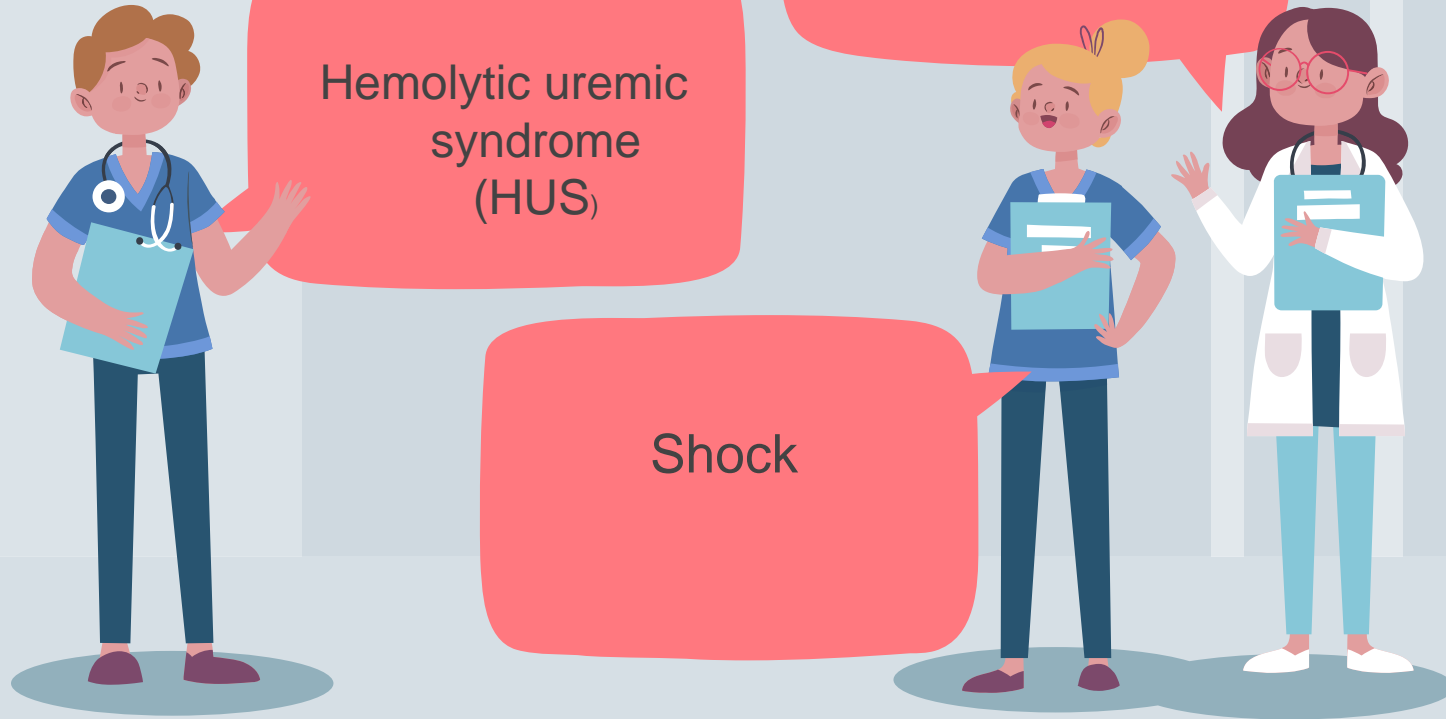
lactose-free diet

Functional diarrhea 4F

parenteral nutrition



Complications



سپاس

سپاس و قدردانی از همکاران
حمایتگر در اورژانس
بیمارستان علی اصغر

تشکر و قدردانی ویژه از دوستان
نظام پزشکی شهریار در جهت
هماهنگی این وینار

تشکر و سپاس فراوان از شما
که وقت گذاشتید