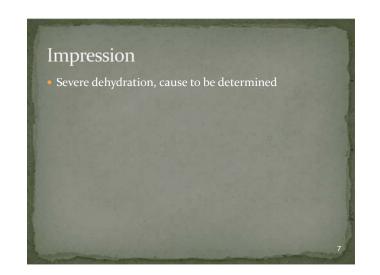


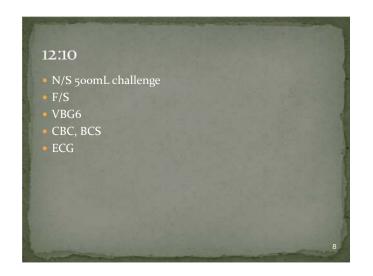
Arrival (11:56) 11 y/o girl 17/P/R: 37.6°C/103/22 BP: 89/56 SpO2: 100% E4V5M6 24kg Triage: 3 Chief complaint: 腹痛

Present illness Decreased activity and poor intake for a week Headache and vomiting 10 days ago Abdominal pain and vomiting*1 today Acid regurgitation(+) No fever, no diarrhea

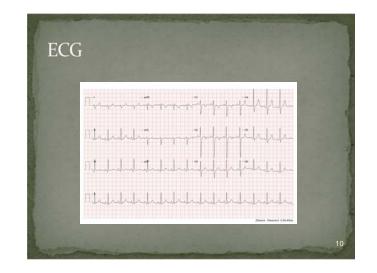
Physical examination Appearance: ill-looking, dehydrated Head and neck: dry mucosa Chest: RHB, clear breathing sound Abdomen: soft, no tenderness Extremities: cool limbs, capillary refilling time>2sec

Impression? Next step?

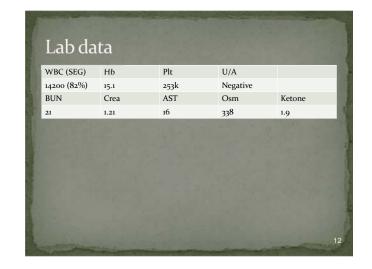


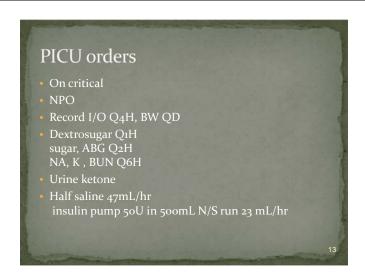


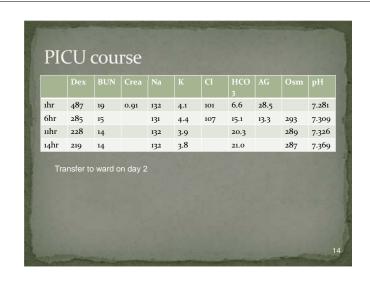




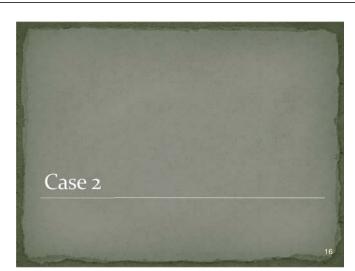


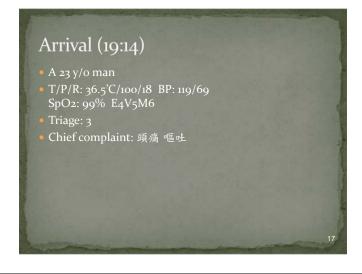


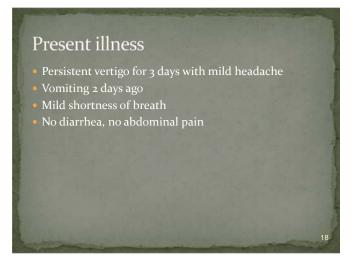


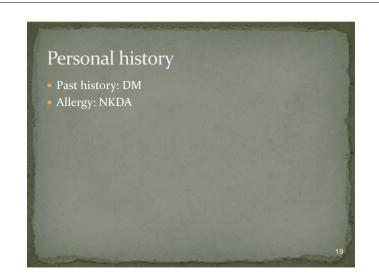






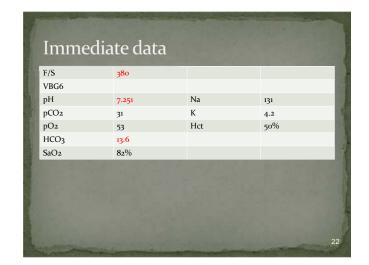






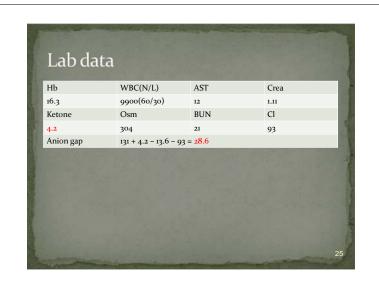
Physical examination Head and neck: pink conjuctiva, supple neck Chest: RHB, clear breathing sound Abdomen: soft, no tenderness Extremities: freely movable NE: no gait disturbance, full EOM







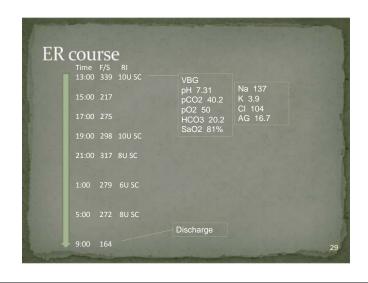


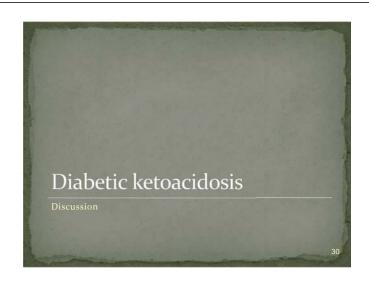


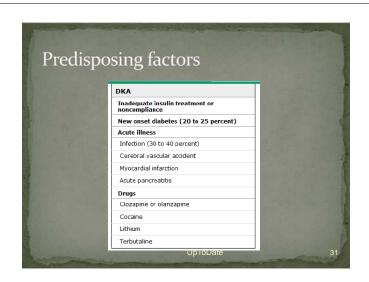


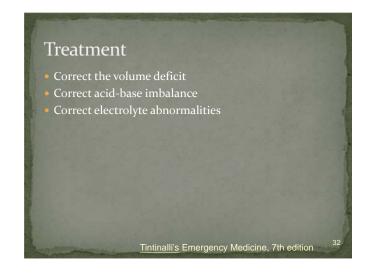


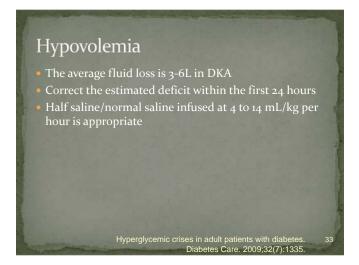


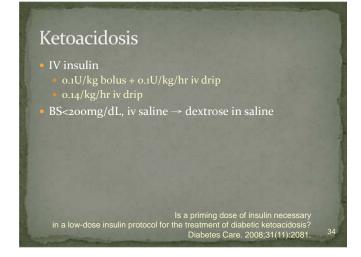


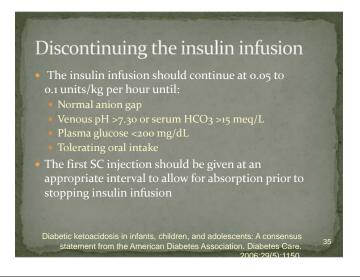


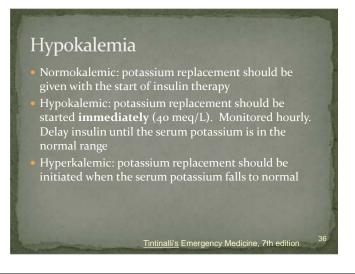


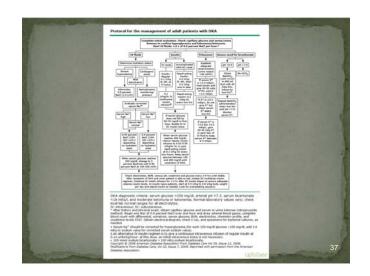


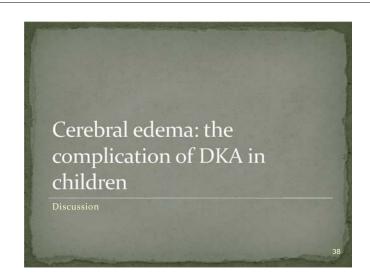




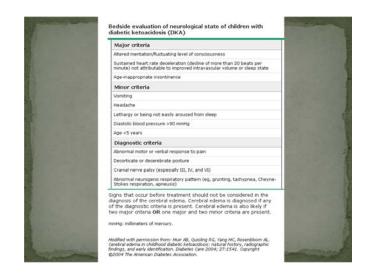


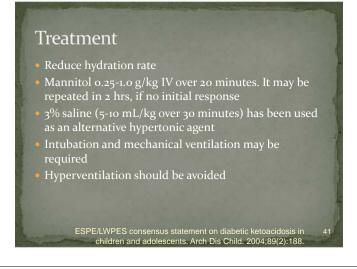


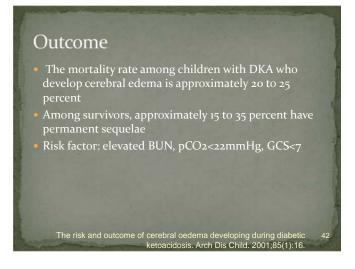


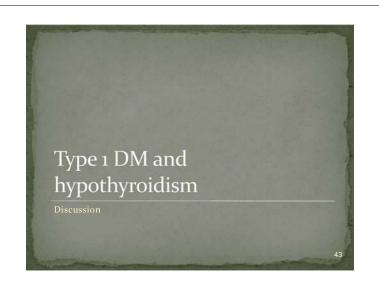


Cerebral edema and DKA • Cerebral edema occurs in 0.3 to 1 percent of children with DKA and has a high mortality rate of 21 to 24 percent • Children who are younger, newly diagnosed with diabetes, or who present with severe acidosis or dehydration are at the greatest risk Diabetic ketoacidosis in infants, children, and adolescents: A consensus statement from the American Diabetes Association. Diabetes Care.









Autoimmune hypothyroidism positive anti-thyroid antibodies 2 to 5 percent of patients with type 1 diabetes develop Thyroid autoimmunity in children and adolescents wi multicenter survey. Diabetes Ca Polyendocrinopathy in children, adolescents, and you diabetes: a multicenter analysis of 28.6

Screening for hypothyroidism Children with beta cell autoantibodies appear to have a higher risk of developing anti-thyroid antibodies Because of the high prevalence of thyroiditis and its potential clinical impact, all children with type 1 diabetes should be screened regularly for thyroid disease by measuring TSH Standards of medical care in diabetes--2011 Diabetes Care. 2011;34 Suppl 1:S11



Timing of screening

- In general, TSH should be tested several weeks after the diagnosis of type 1 DM, when metabolic control has been established
- At least 20 percent of patients will have transient abnormalities of thyroid function when type 1 DM is first diagnosed, which resolve as the diabetes is

Thyroid function at diagnosis of type I diabetes. Arch Dis Child. 2011;96(8):777 Thyroid hormone abnormalities at diagnosis of insulin-dependent diabetes mellitus in children. J Pediatr. 1984;105(2):218.