

Newly Diagnosed Diabetes: What Happens During the Hospital Stay

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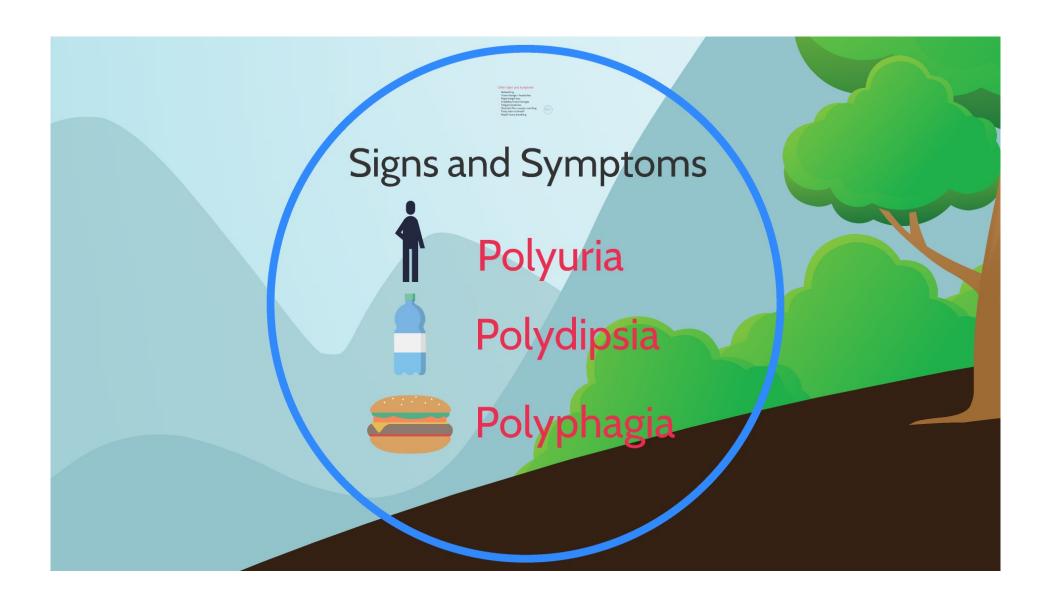
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Session Objectives

- · Define criteria for new onset diabetes diagnosis
- Discuss the roles of each interdisciplinary group in providing new onset diabetes education
- Summarize content that families must master before hospital discharge
- Discuss initial follow-up with diabetes team following hospital stay for new onset diabetes

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Other Signs and Symptoms

Bedwetting
Vision change + headaches
Rapid weight loss
Irritability/mood changes
Fatigue/weakness
Stomach Pain, nausea, vomiting
Fruity odor on breath
Rapid, heavy breathing



Often Mistaken for:

Stomach Flu Recurrent Yeast Infection Urinary Tract Infection

Hospital Admission

- Referred by provider/ED
- Admission location based on condition
- Length of stay 2-3 days
- Once medically stable the focus is education

Currently, AFCH does not have an option for outpatient education for new onset patients.

To go home caregivers must know how to:

- Check a Blood Sugar
- Calculate insulin doses
- Draw up and inject insulin
- Identify and count carbohydrates
- Treat a low and high blood sugar
- Understand basic concepts around sick day management
- Call the provider/follow-up with clinic

New Onset Education

- Multidisciplinary
- Provided over at least 2 days (typically)
- Goal: Initial mastery of survival skills allowing safe to return to home





Medical Management

- Initial priority is stabilization
- Prescribe initial insulin doses (weight based)
- Medical care during hospital stay
- Basic pathophysiology and general diabetes education for families



- Verbal communication
- Growing Up Healthy: Type 1 101 Blog

Inpatient Registered Nurse

Role: expert resource who transitions care to caregivers as appropriate based on emerging skills



Skills taught:

- Insulin injection (syringe and vial)
- Insulin and carb calculation at meals
- Insulin basics (action time/storage)
- Support family in decision-making learning basics of diabetes care

Long-Acting Insulin (Lantus):

40 units given one time each day at bedtime

Rapid-Actin Insulin (Humalog):

Insulin to Carbohydrate Ratio

1 units per every 15 grams of carbohydrate

Daytime Correction Insulin

 $\frac{1}{\text{mg/dL}}$ units per every $\frac{50}{\text{mg/dL}}$ mg/dL above $\frac{150}{\text{mg/dL}}$

Bedtime/Overnight Correction Insulin

 $\frac{1}{\text{mg/}}$ units per every $\frac{50}{\text{mg/dL}}$ above $\frac{200}{\text{mg/s}}$

Daytime:

151-200 mg/dL 1 unit 201-250 mg/dL 2 units 251-300 mg/dL 3 units 301-350 mg/dL 4 units 351-400 mg/dL 5 units 401-450 mg/dL 6 units 451-500 mg/dL 7 units 501-550 mg/dL 9 units 5600 mg/dL 10 units

Nighttime:

201-250 mg/dL 1 units 251-300 mg/dL 2 units 301-350 mg/dL 3 units 351-400 mg/dL 4 units 401-450 mg/dL 5 units 451-500 mg/dL 6 units 501-550 mg/dL 7 units 551-600 mg/dL 8 units >600 mg/dL 9 units

Health Psychology

Role: Evaluate emotional and familial strengths and weaknesses



Skills Taught:

 Tools to assist with coping, emotional resilience in relation to new diagnosis with chronic disease

Learning Center

Role: Diabetes survival skill education

Skills Taught:

- Blood glucose monitoring
- Insulin basics
- High and low blood sugar treatment
- Urgencies (emergent hypoglycemia, sick day)
- Insulin Pens (as needed)

Tools Used:

- Pink Panther Book
- · New Onset Folder with handouts
- Hands on teaching with glucometer, demo insulin pens and glucagon
- · JDRF Bag of Hope

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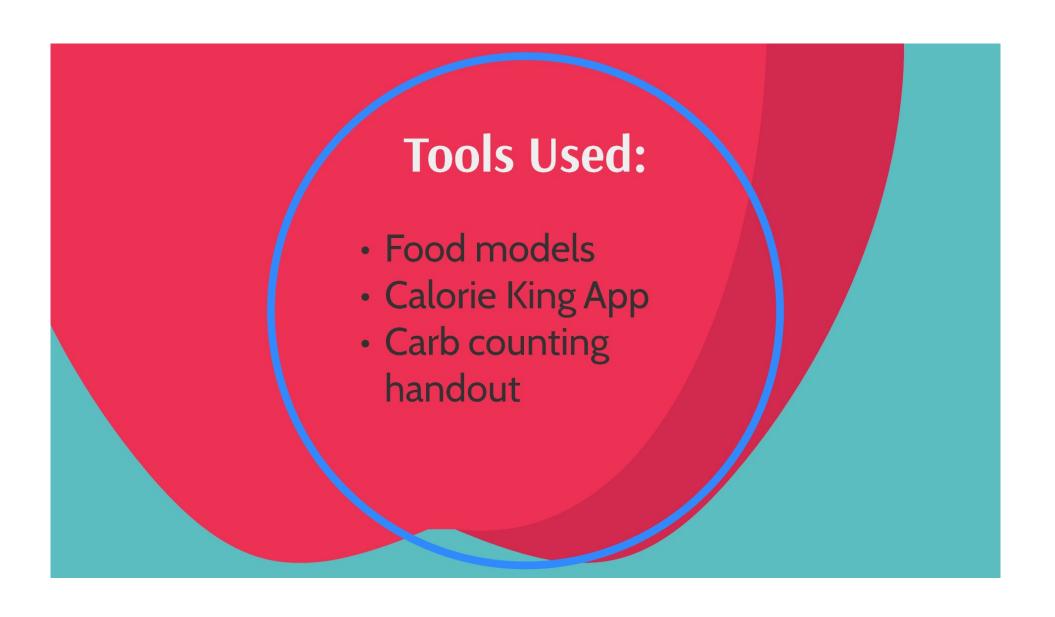
Nutrition

Role: Nutritional assessment and guidance, carb counting education

Skills Taught:

- What are carbohydrates and carb containing foods
- How to count carbs & resources to help
- Meal and snack planning
- Using food to prevent hypoglycemia with exercise
- Counsel on how to optimize nutritional intake





Social Work

Role: Expert resource/liaison to families and health care providers for navigating the complexities of health care system, diagnosis, and psychosocial factors

- Emotional evaluation, support, connection with mental health resources
- Connection with medical team, family, community stakeholders
- Insurance and community resource recommendation and connection



Resources Used:

- JDRF Resources (Parent Blog)
- Financial/Insurance Resources
 - Wiscovered.com
 - Getinsulin.org
 - Will's Way
 - Lion's Club
 - Katie Beckett (for children with multiple medical complexities)

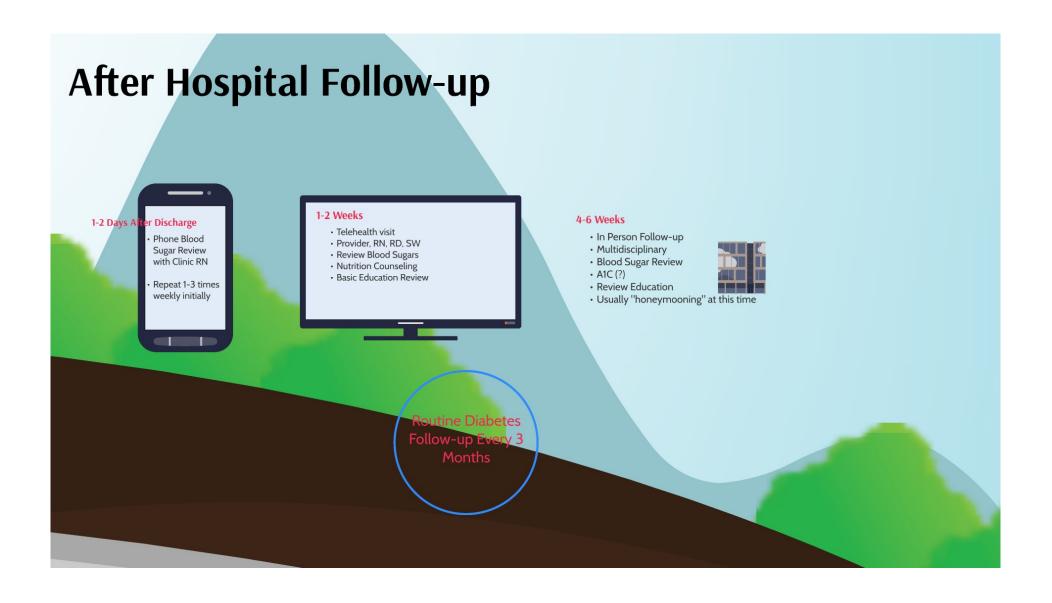
Child Life

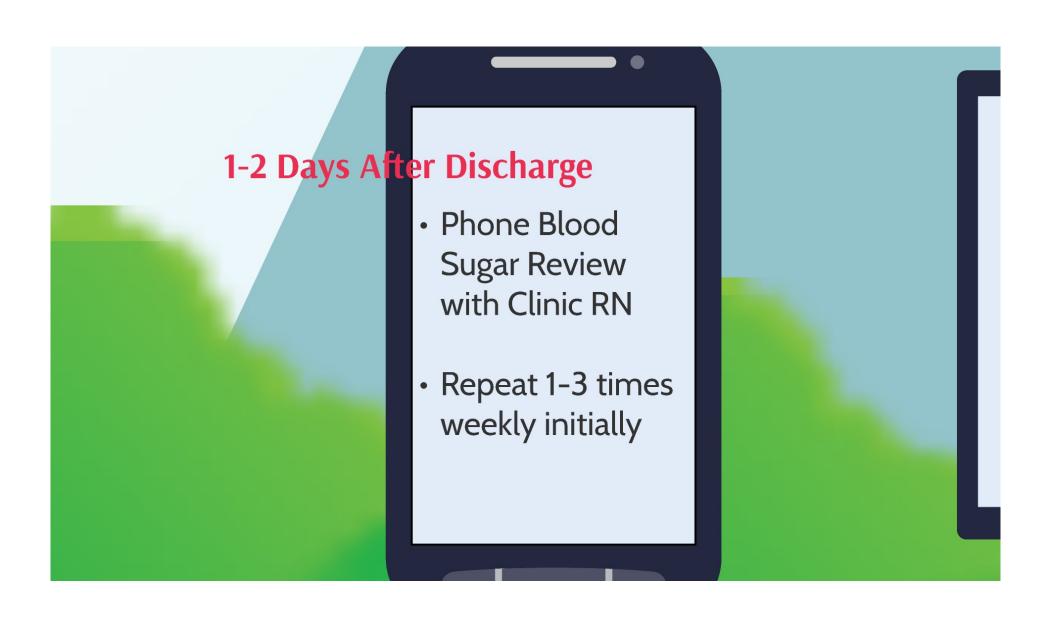
Role: Identify developmentally appropriate ways for child/family to cope with new diagnosis of chronic illness and injections/pokes

Skills Taught:

- Coping strategies
- Developmentally appropriate medical play







1-2 Weeks

- Telehealth visit
- Provider, RN, RD, SW
- Review Blood Sugars
- Nutrition Counseling
- Basic Education Review

4-6 Weeks

- In Person Follow-up
- Multidisciplinary
- Blood Sugar Review
- A1C (?)
- Review Education
- Usually "honeymooning" at this time

