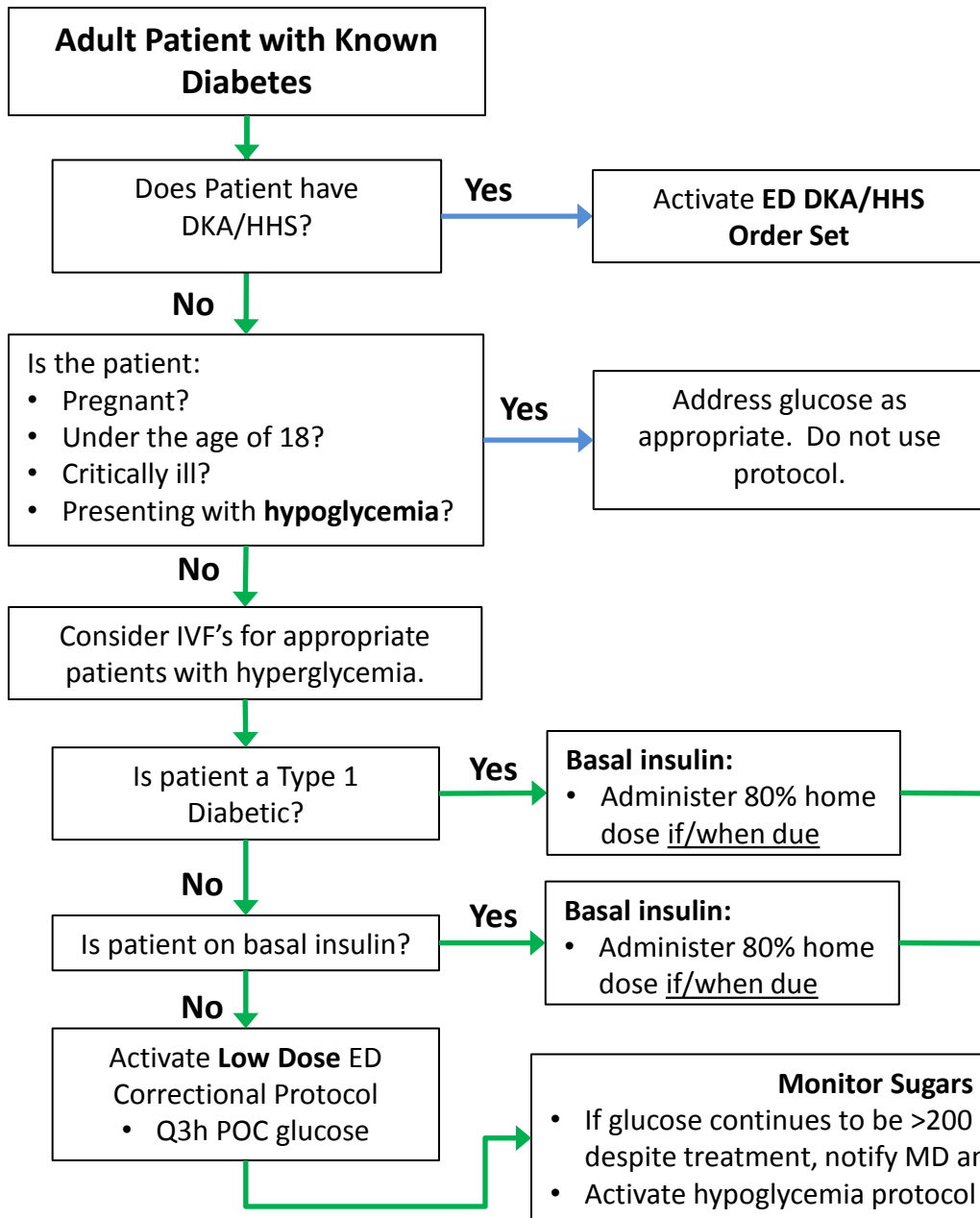


Adult ED Glycemic Control Protocol



Low Dose ED Correctional Scale		Moderate Dose ED Correctional Scale	
Glucose (mg/dl):	Units of lispro insulin	Glucose (mg/dl):	Units of lispro insulin
180-230	1	180-230	2
231-280	2	231-280	4
281-330	3	281-330	6
331-380	4	331-380	8
381-400	5	381-400	10
>400	6 (notify provider)	>400	10 (notify provider)

- All correctional insulin should be dosed based on a POC glucose done within the previous 30 minutes.
- Do not dose correctional insulin more frequently than every three hours.

Adult ED Glycemic Control Protocol

Hyperglycemia (>200 mg/dl) and No History of Diabetes

Does Patient have DKA/HHS?

Yes

Activate **ED DKA/HHS Order Set**

No

Is the patient:

- Pregnant?
- Under the age of 18?
- Critically ill?
- Presenting with **hypoglycemia**?

Yes

1. Address glucose as appropriate. Do not use protocol.
2. Notify patient/family of new finding of elevated glucose.
3. Notify team accepting care.

No

Is Patient Being Discharged?

Yes

See **ED Discharge Protocol for New Hyperglycemia**

No

Consider IVF's for Appropriate Patients

Glucose \geq 400 mg/dl

Activate **Moderate Dose ED Correctional Protocol**

- Q3h POC glucose

Glucose < 400 mg/dl

Activate **Low Dose ED Correctional Protocol**

- Q3h POC glucose

Monitor Sugars Q3 per Protocol

- If glucose continues to be >200 mg/dl after 3 checks or is rising despite treatment, reassess patient for cause.
- Activate hypoglycemia protocol for POC glucose < 70 mg/dl
- Notify patient and admitting team of new finding of hyperglycemia.

Low Dose ED Correctional Scale		Moderate Dose ED Correctional Scale	
Glucose (mg/dl):	Units of lispro insulin	Glucose (mg/dl):	Units of lispro insulin
180-230	1	180-230	2
231-280	2	231-280	4
281-330	3	281-330	6
331-380	4	331-380	8
381-400	5	381-400	10
>400	6 (notify provider)	>400	10 (notify provider)

- All correctional insulin should be dosed based on a POC glucose done within the previous 30 minutes.
- Do not dose correctional insulin more frequently than every three hours.

Adult ED Correctional Insulin Dosing Guidelines

Type 1 Diabetics
Type 2 Diabetics Not on Insulin
Indeterminate Type
New Hyperglycemia < 400 mg/dl



Low Dose ED Correctional Scale	
Glucose (mg/dl):	Units of lispro insulin
180-230	1
231-280	2
281-330	3
331-380	4
381-400	5
>400	6 (notify provider)

Type 2 Diabetics on Insulin
New Hyperglycemia ≥ 400mg/dl

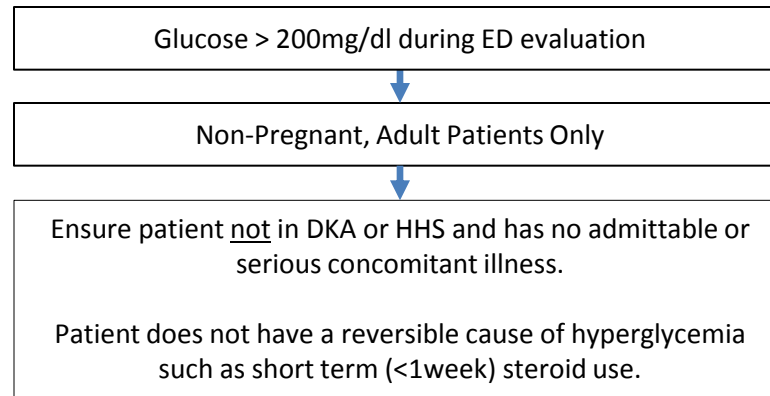


Moderate Dose ED Correctional Scale	
Glucose (mg/dl):	Units of lispro insulin
180-230	2
231-280	4
281-330	6
331-380	8
381-400	10
>400	10 (notify provider)

- All correctional insulin should be dosed based on a POC glucose done within the previous 30 minutes.
- Do not dose correctional insulin more frequently than every three hours.

Newly Diagnosed Hyperglycemia ED Discharge Protocol

Approved by AMSL
Glycemic Control
Transformation
Team, 2015



Asymptomatic Without polydipsia/uria Serum glucose < 250	Symptomatic polydipsia/uria Serum glucose 250 to 399, AG≤16	Symptomatic polydipsia/uria Serum glucose 400-600, AG ≤ 16
ED treatment 1. BMP	ED treatment 1. BMP (if not already done) 2. Consider 1-2 L NS	ED treatment 1. BMP (if not already done) 2. Consider 2-3 L NS 3. Start ED Correctional protocol with Moderate Dosing scale in Anticipation of CDU stay.
ED DM Discharge Criteria 1. Do not delay discharge for repeat glucose testing or treatment unless otherwise indicated.	ED DM Discharge Criteria 1. Reasonably stable or downward trend of glucose. 2. Should have at least one repeat measurement in ED prior to discharge.	ED DM Discharge Criteria 1. Stable or downward trend of glucose. 2. Requires at least one repeat measurement in ED correctional protocol. 3. Consider admission to CDU.
Disposition Best Practice 1. Brief DM education & d/c documents 2. F/U with PCP < 7 days 3. If no PCP, refer to MMP PCP	Disposition Best Practice 1. Ensure proper follow-up (see guidelines to left). 2. Suggest: • Metformin* 500mg BID if Cr < 1.5 (mg/dl) in women or < 1.6 in men. • Start glipizide 5mg q24 for those with renal impairment. Provide education about hypoglycemia if starting glipizide.	Disposition Best Practice 1. Ensure proper follow-up (see guidelines to left). 2. Suggest starting treatment (see guidelines to left).

*Initiation of metformin should not begin within 48 hours of administration of IV contrast due to concerns about potential lactic acidosis.