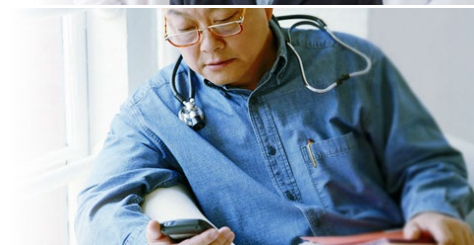


# Seizure Rescue Medications

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## Disclosure and Disclaimer

- Dr. Gottlieb-Smith has no relevant financial disclosures.
- Statements and opinions expressed are those of the authors and not necessarily those of the American Academy of Pediatrics.

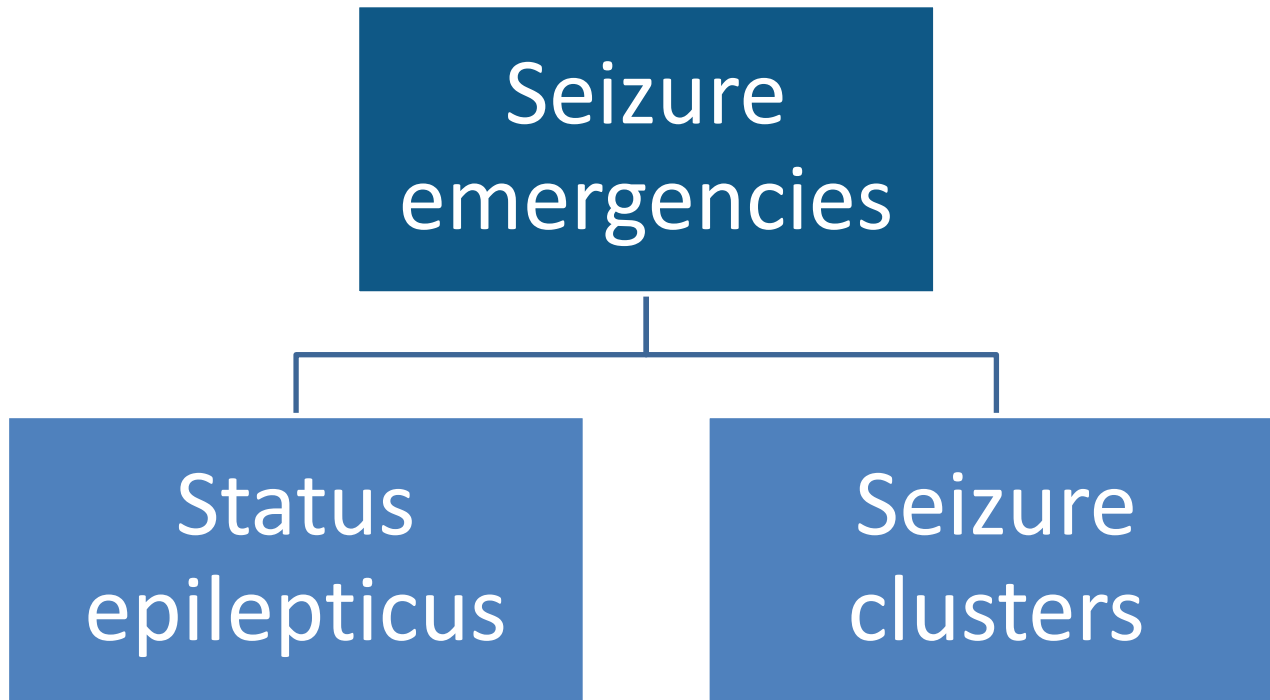
## Objectives

- Describe when to prescribe and administer outpatient seizure rescue medications.
- Compare 3 routes of administration:
  - Rectal
  - Intranasal
  - Enteral

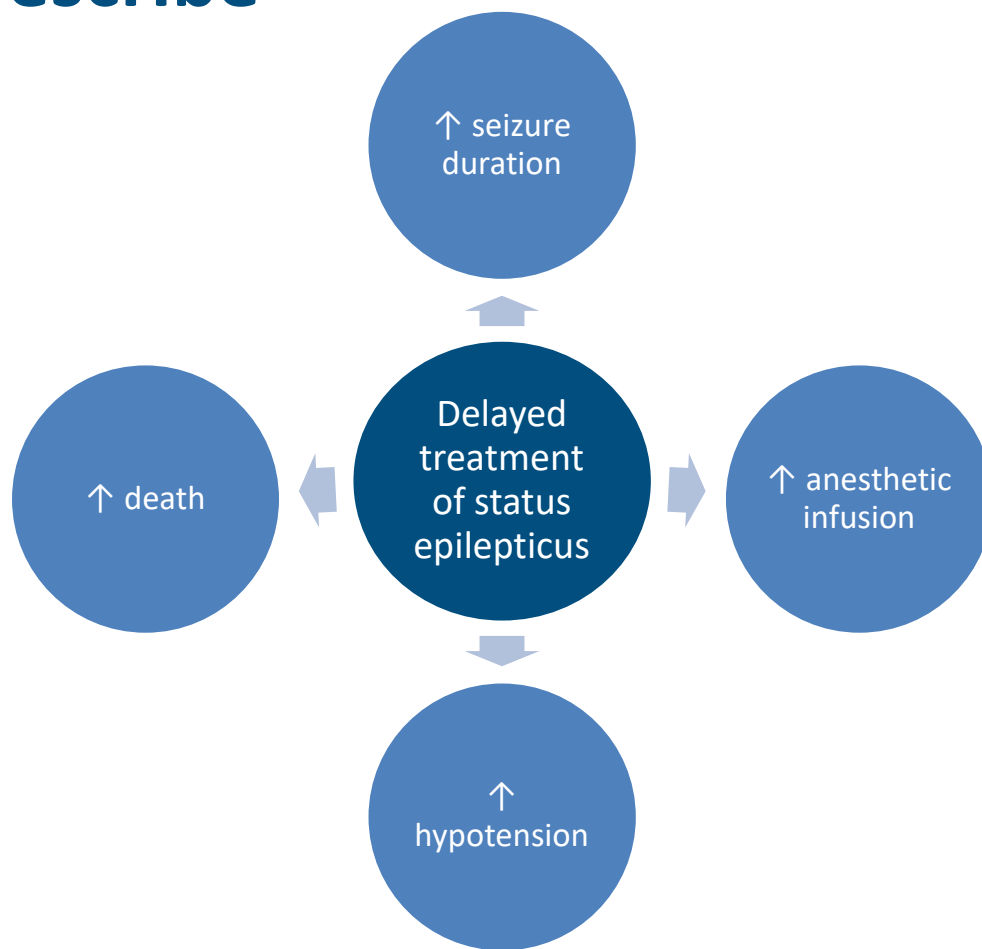
# Outline

- Why to prescribe
- When to prescribe
- Which to prescribe

# Why to Prescribe



# Why to Prescribe

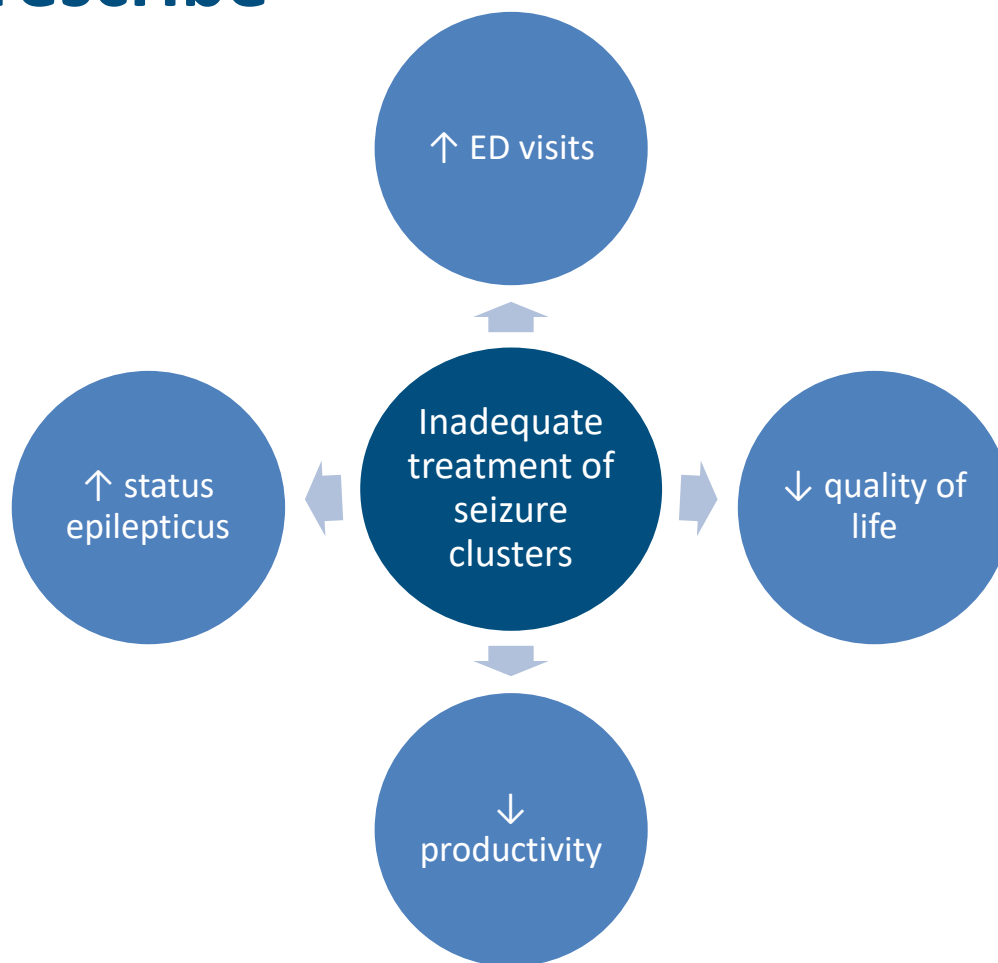


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# Why to Prescribe



## When to Prescribe

- Child Neurology Society & American Academy of Neurology Quality Measurement Set
  - Epilepsy
  - 6 months and older
  - Prolonged convulsive seizure >5 minutes
- Other considerations
  - All children with epilepsy
  - Seizure clusters
  - Prolonged febrile seizures



## Which to Prescribe

# Benzodiazepines

Rectal

Intranasal

Enteral

## Which to Prescribe

# Benzodiazepines

Rectal

Intranasal

Enteral

## Benzodiazepines

Rectal

Intranasal

Enteral

- Diazepam
- Rapidly absorbed
- Diastat® FDA approved ages 2+
- Challenges
  - Child embarrassment
  - Difficult administration

## Which to Prescribe

# Benzodiazepines

Rectal

Intranasal

Enteral

## Benzodiazepines

Rectal

Intranasal

Enteral

- Midazolam
  - Nayzilam®: FDA approved ages 12+
- Diazepam
  - Valtoco®: FDA approved ages 6+
- Challenges
  - Local nasal reaction
  - Cost
  - Availability

## Which to Prescribe

# Benzodiazepines

Rectal

Intranasal

Enteral

## Benzodiazepines

Rectal

Intranasal

Enteral

- Clonazepam
- Seizure clusters or “bridge”
- Longer to peak, longer half-life
- Challenges
  - Oral form contraindicated in convulsive status epilepticus

## Take-Home Points

- Prescribe a seizure rescue medication for children 6 months and older with epilepsy with history of a prolonged convulsive seizure lasting >5 minutes.
- Current options: benzodiazepines
  - Status epilepticus: rectal, intranasal
  - Seizure clusters: rectal, intranasal, enteral



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