

# Identification, Medical Care and Complications in Eating Disorders

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## Raising the Index of Suspicion

- Crossing growth curves
  - $\text{BMI} \leq 17.5 \text{ kg/m}^2$
- Functional GI disorders
- Presyncope or syncope
- Unexplained hypokalemia
- Hyperglycemia in a type I diabetic easily controlled in the hospital





## Screening – SCOFF

- Do you make yourself Sick (vomit) because you feel uncomfortably full?
- Do you worry you have lost Control over how much you eat?
- Have you lost more than One stone (14lbs) over the last 3 months?
- Do you believe yourself to be Fat when others say you are thin?
- Would you say that Food dominates your life?



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## Follow-up Questions

- What is your ideal weight?
- What did you eat yesterday?
- How hard would it be for you to go a day without exercise?
- Have you ever used diet pills/laxatives/diuretics?
- How much time do you spend thinking about food/weight/shape in a given day?
- What do your friends/family/coworkers say about your eating/weight?
- Do you have any food restrictions?
- Eating Disorders Assessment Test (EAT-26) can help with diagnosis
- If you think the patient might have an eating disorder, tell the patient



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## Eating Disorder Medical History

- Maximum Weight/ Minimum Weight/ Patient's Ideal Body Weight
- Body image
- Triggers for weight loss or purging
- Calorie counting: goals/limits
- Changes in eating habits over time
- Binging, purging, diet pills, laxatives, diuretics, ipecac
- Exercise
- Menses (including use of OCP)
- Other symptoms: changes in bowel habits, tremors, cold extremities, dizziness, hair changes
- Family History: ED, psychiatric illness, substance abuse



## Initial Medical Tests

- Electrolytes (including Ca, Mg, PO<sub>4</sub>)
- LFTs
- CBC
- TSH
- LH, FSH, Estradiol (females)
- Testosterone (males)
- Prolactin
- Amylase
- Vitamin D level
- U/A with specific gravity
- Urine tox screen
- Urine pregnancy
- EKG with rhythm strip
- DEXA if underweight >6months





# What the clinician sees

## Purging

**General appearance**  
Often unremarkable

**Behavioral/psychiatric**  
Impulsive, sexual acting out, shoplifting, mood disorders, addictions, character disorder, suicide

**Ophthalmologic**  
Conjunctival hemorrhages  
Mydriasis with stimulant abuse

**Oral**  
Erosion of dental enamel, cavities; marked parotid hypertrophy

**Skin**  
Russell's sign (callosities in dorsum of hand; peripheral edema)

**Cardiac**  
Irregular pulse, cardiac arrhythmias; sudden death; cardiomyopathy (ipecac abuse)

**Musculoskeletal**  
Myopathy (ipecac abuse)

**Renal**  
Pseudo Bartter's syndrome

**Gastrointestinal**  
Diarrhea, melena, cramping (laxative abuse), GE reflux, chest pain/esophagitis, Mallory Weiss tears

**Endocrine**  
Irregular menses, secondary hyperaldosteronism

## Starvation

**General appearance**  
Emaciated

**Behavioral/psychiatric**  
Inhibited, anxiety disorders, mood disorders, character disorder, suicide

**Neurological**  
Slow reflexes, hyperactive, hypervigilant, organic brain syndrome, brain atrophy, seizures with water intoxication

**Ophthalmologic**  
Enophthalmos

**Oral**  
Hypertrophy of salivary glands

**Skin**  
Dry, yellowish, lanugo

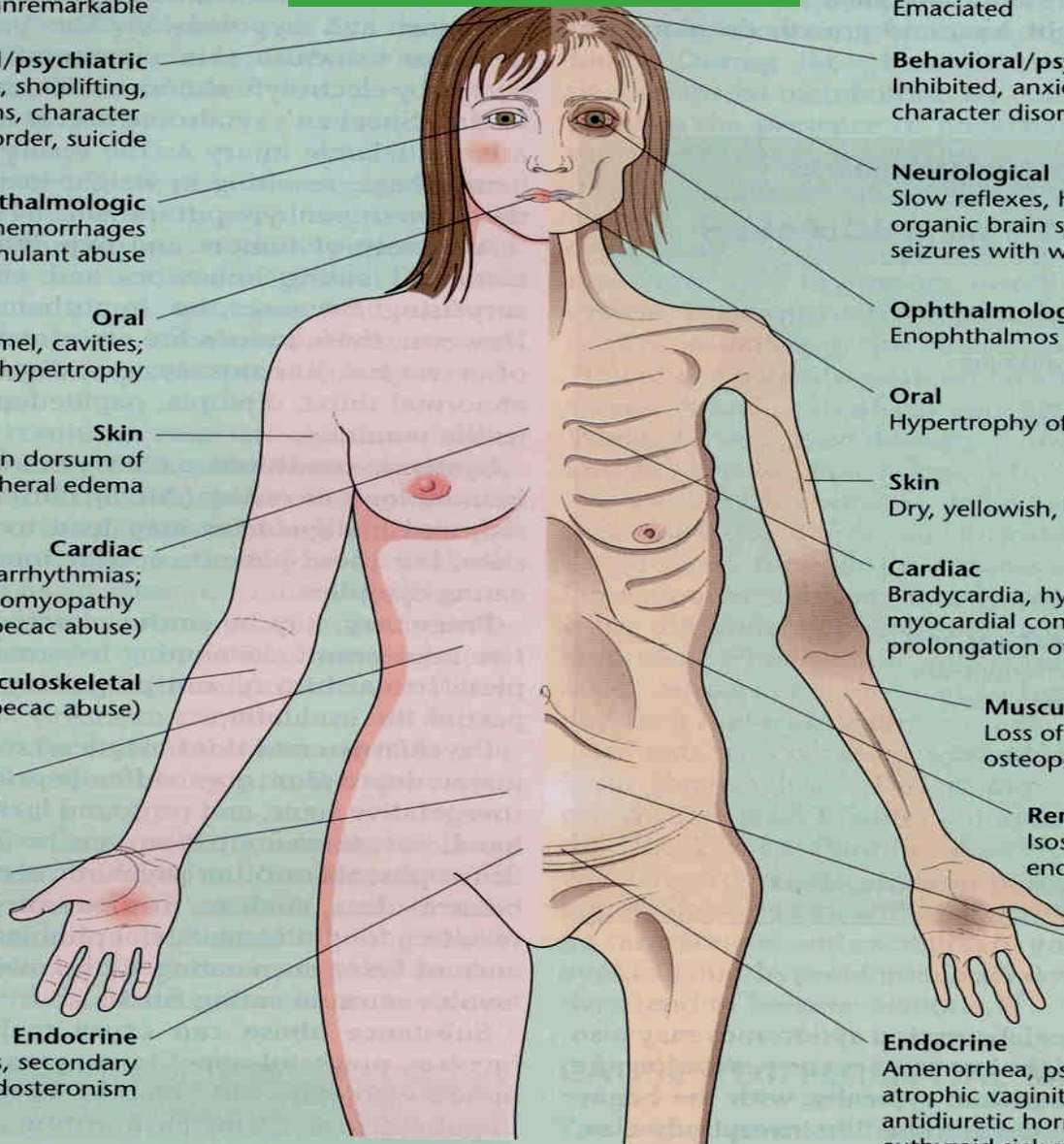
**Cardiac**  
Bradycardia, hypotension, impaired myocardial contraction, mitral valve prolapse, prolongation of Q-T interval; sudden death

**Musculoskeletal**  
Loss of lean body mass, osteopenia-osteoporosis

**Renal**  
Isosthenuria, renal stones, end stage renal disease

**Gastrointestinal**  
Constipation; delayed gastric emptying

**Endocrine**  
Amenorrhea, pseudo hypothyroidism, atrophic vaginitis, breast atrophy, decreased antidiuretic hormone, delayed puberty, euthyroid sick syndrome







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# Differential Diagnosis

## Medical

- Inflammatory Bowel Disease
- Celiac disease
- Addison's disease
- Hyperthyroidism
- Hypopituitarism
- Diabetes mellitus
- CNS tumor
- Occult malignancy

## Psychiatric

- Affective disorder
- OCD
- Schizophrenia
- Depression
- Anxiety



# Goals of Treatment

## Short Term

- Medical stabilization
- Weight restoration if underweight
- Decreased/Cessation of purging

## Longer-term

- Establish/maintain normal eating behaviors
- Correct irrational thoughts
- Social rehabilitation





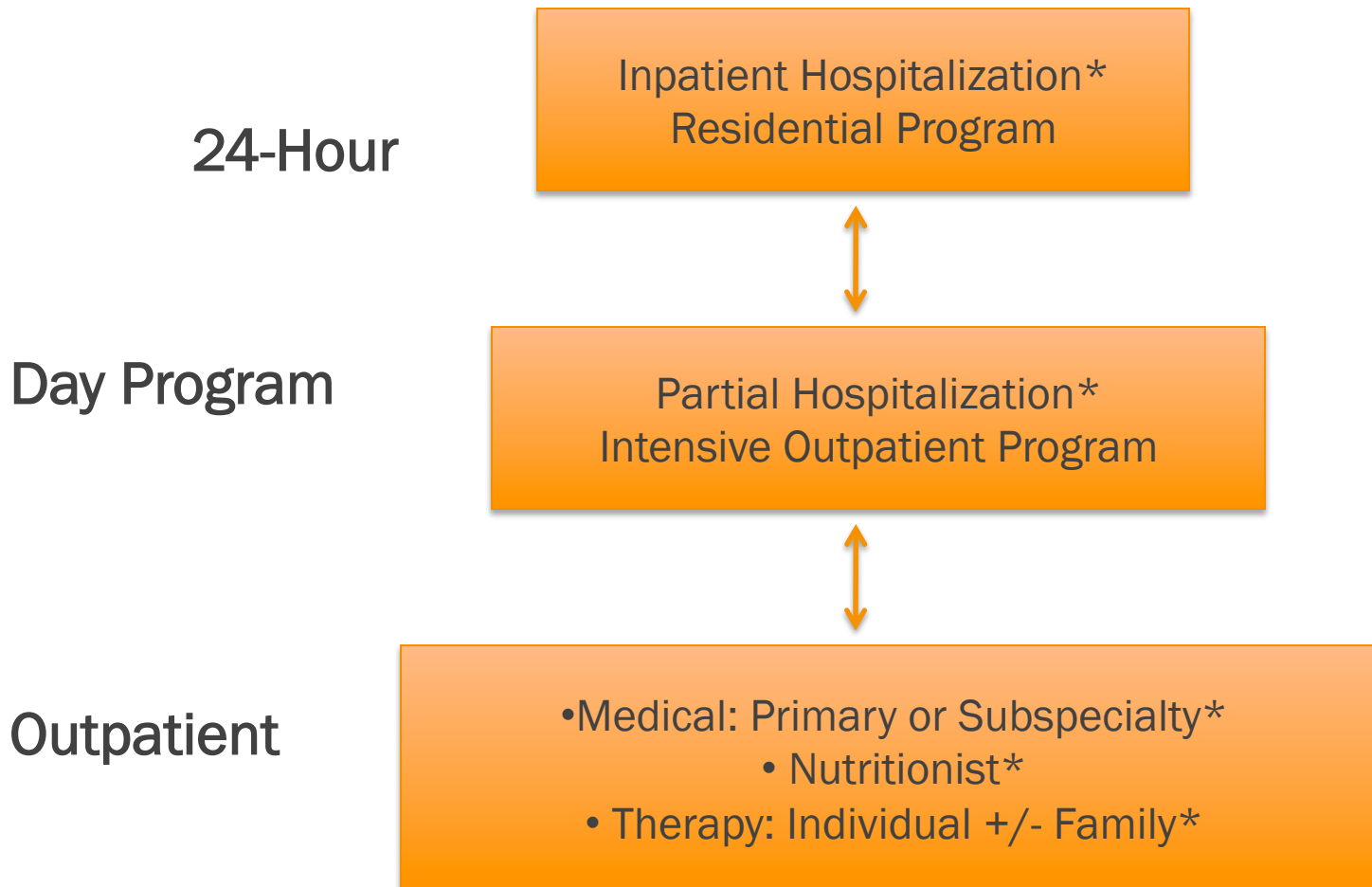
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## Treatment Team

- Primary medical doctor
- Therapist and/or Psychiatrist
- Nutritionist
- Parents/Support person(s)
- Patient



# Levels of Care



\*available in Rhode Island



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# Outpatient Medical Management

- Close care coordination with other team members
  - Splitting risk
- Regular visits in clinic
  - Blind weights
  - Vitals: HR, BP, and orthostatics
- Structured nutrition
- Active involvement of parent/support person
- Care for underlying psychiatric illness



Resource: Mehler and Andersen's "Eating Disorders: a Guide to Medical Care and Complications" (2010)



## Outpatient Goals

- Underweight: gain about 1-2 lbs/week
  - Goal: approximate weight stabilization along curve of prior growth
  - BMI ~21 with normal vitals and physical exam
- Normal weight: maintain
- Overweight: loss is a secondary goal
- Binge/Purge: 50% reduction of behaviors in 1m
- Exercise: can be allowed for normal-weight or overweight patients
  - If underweight, clear for 30 min, 3x/wk at 90% IBW and slowly increase if weight is maintained/increasing
  - Work with therapists closely to determine healthy vs. unhealthy



# Hospital Admission Criteria

- Electrolyte disturbance
- Cardiac dysrhythmia
- Acute psychiatric emergency
- Acute medical complication (syncope, seizure, pancreatitis, etc.)
- Severe malnutrition (<70% IBW)
- Other physiological instability
  - HR <50 bpm in daytime, <45 bpm at night
  - BP <80/50 mmHg
  - Temp <97 F
  - Orthostatic changes in pulse (>20 bpm) or BP (>10mmHg)





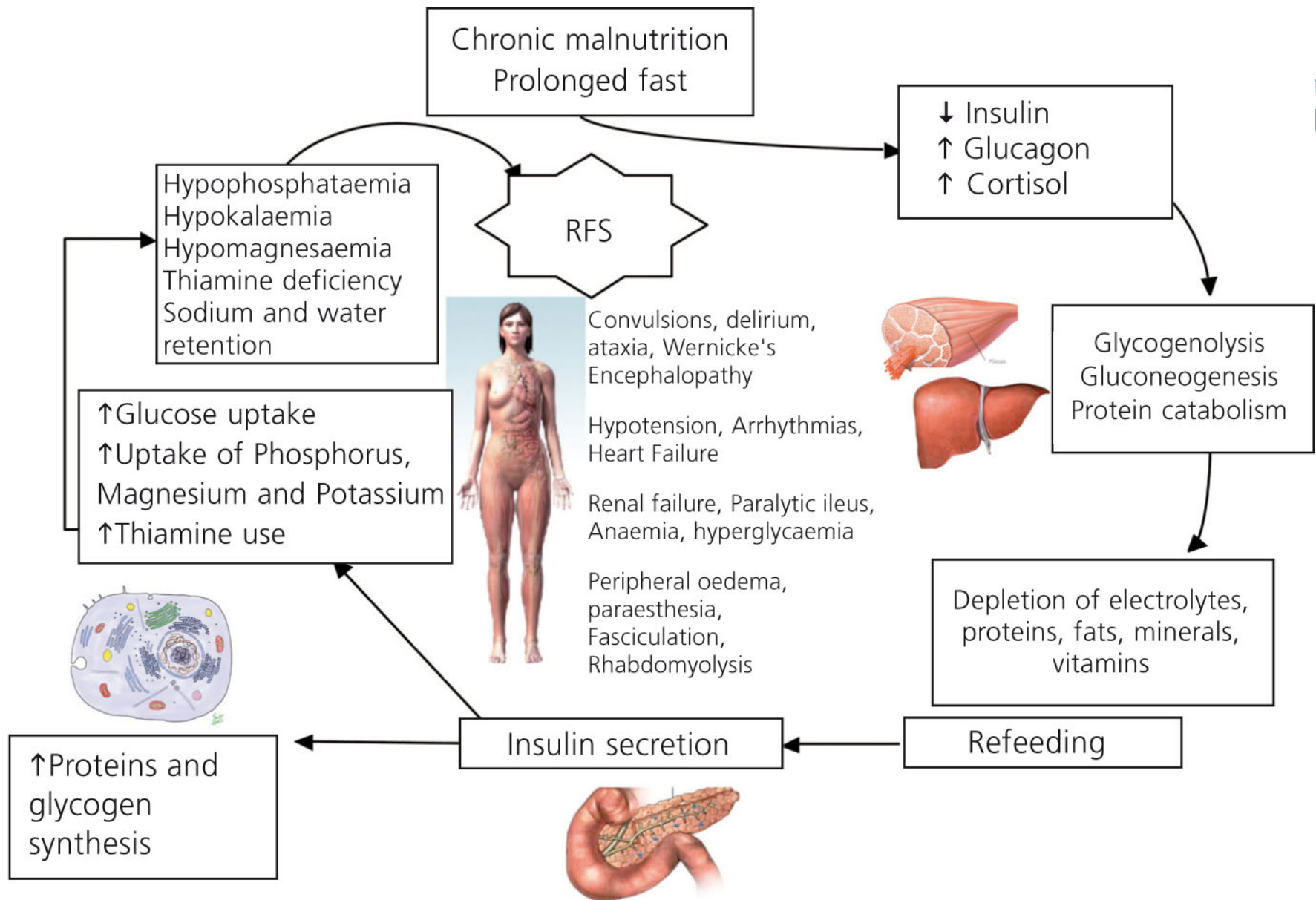
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## Hospital Admission Criteria

- Dehydration
- Arrested growth/development
- Failure of outpatient treatment
- Acute food refusal
- Uncontrolled bingeing/purging
- Co-morbid conditions that complicate outpatient care (depression, OCD, family dysfunction)



*SAHM position paper 2015*





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# Going the Distance: Preventing Relapse

- Team communication
- Explicit behavioral expectations
  - Frequent visits
  - Weight checks
  - Exercise guidelines
  - “your goals are our goals”
- Consider a treatment contract





## Questions and Referral information

- Call us anytime with questions!
- Referrals through Donna Perry (administrator)

401-444-4712

