



# WELCOME to the *Obesity Care in All Ages ECHO*

*Session 1, Why Obesity is a Disease, May 13, 2025*

*This ECHO is supported by the Walter and Carole Young Center for Digestive Health*

## Series Learning Objectives

- Describe obesity as a chronic disease, including evidence-based methods for evaluation and treatment
- Effectively communicate with patients about the health implications of obesity and its available treatment options
- Cultivate skills to effectively assess and treat patients with obesity in various care settings
- Identify when and how to refer patients to appropriate specialized obesity care services

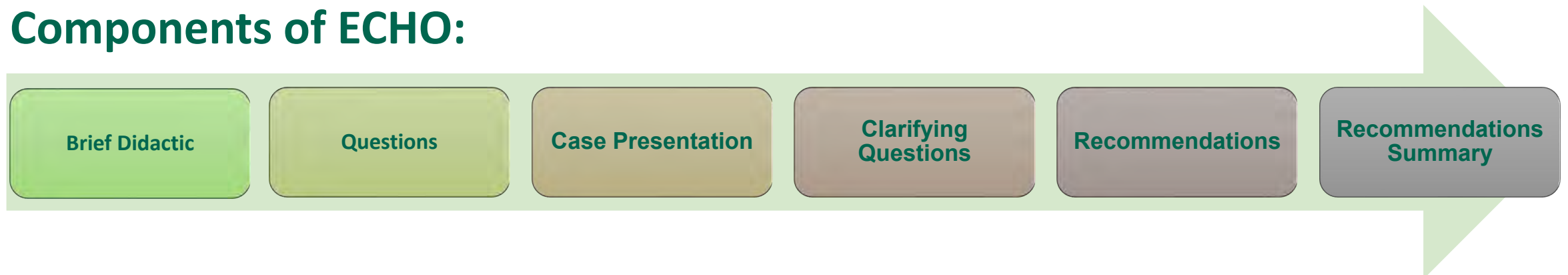
## Series Sessions

| Date       | Session Title   |
|------------|---|
| 5/13/2025  | <a href="#"><u>Why Obesity is a Disease</u></a>                                   |
| 6/10/2025  | <a href="#"><u>Approach to the Patient with Obesity</u></a>                       |
| 7/8/2025   | Optimizing the Use of Lifestyle-based Obesity Care                                |
| 8/12/2025  | How to Use Anti-Obesity Medications Effectively (GLP-1 agonist)                   |
| 9/9/2025   | How to Use Anti-Obesity Medications Effectively (Non GLP-1 agonist)               |
| 9/23/2025  | Approach to the Pediatric Patient with Obesity – AAP Clinical Practice Guidelines |
| 10/7/2025  | How to Use Endoscopic Therapy Effectively   |
| 10/21/2025 | Pediatric Anti-Obesity Medications and Bariatric Surgery                          |
| 11/4/2025  | Metabolic-Bariatric Surgery: Who, When, Why, and Which One                        |
| 11/18/2025 | Improving Equitable Access to Obesity Care  |

# Project ECHO (Extension for Community Healthcare Outcomes)

- All teach, all learn.
- ECHO is a telementoring model that uses virtual technology to support case-based learning and to engage the wisdom and experience of all attending.
- Highly Interactive.

## Components of ECHO:



# Today's Program

- Brief housekeeping
- Didactic: Why Obesity is a Disease – Elizabeth Honigsberg, MD, MPH
- Role Play: Sarah Finn, MD and Abbey Berge-Clogston
- Discussion
- Summary
- Up Next

## Housekeeping Notes

- Pre course survey: <https://redcap.hitchcock.org/redcap/surveys/?s=EA47L8LEDJ43JTDN>
- Raise virtual hand or enter comments in chat at any time. We will call on you when it works. Please mute otherwise.
- To protect individual privacy, please use non-identifying information when discussing cases.
- We will be recording the didactic part of these sessions. *Participating in these session is understood as consent to be recorded. Thank you!*
- Closed Captioning will be enabled during sessions
- Questions to ECHO Tech Support thru personal CHAT or [ECHO@hitchcock.org](mailto:ECHO@hitchcock.org)

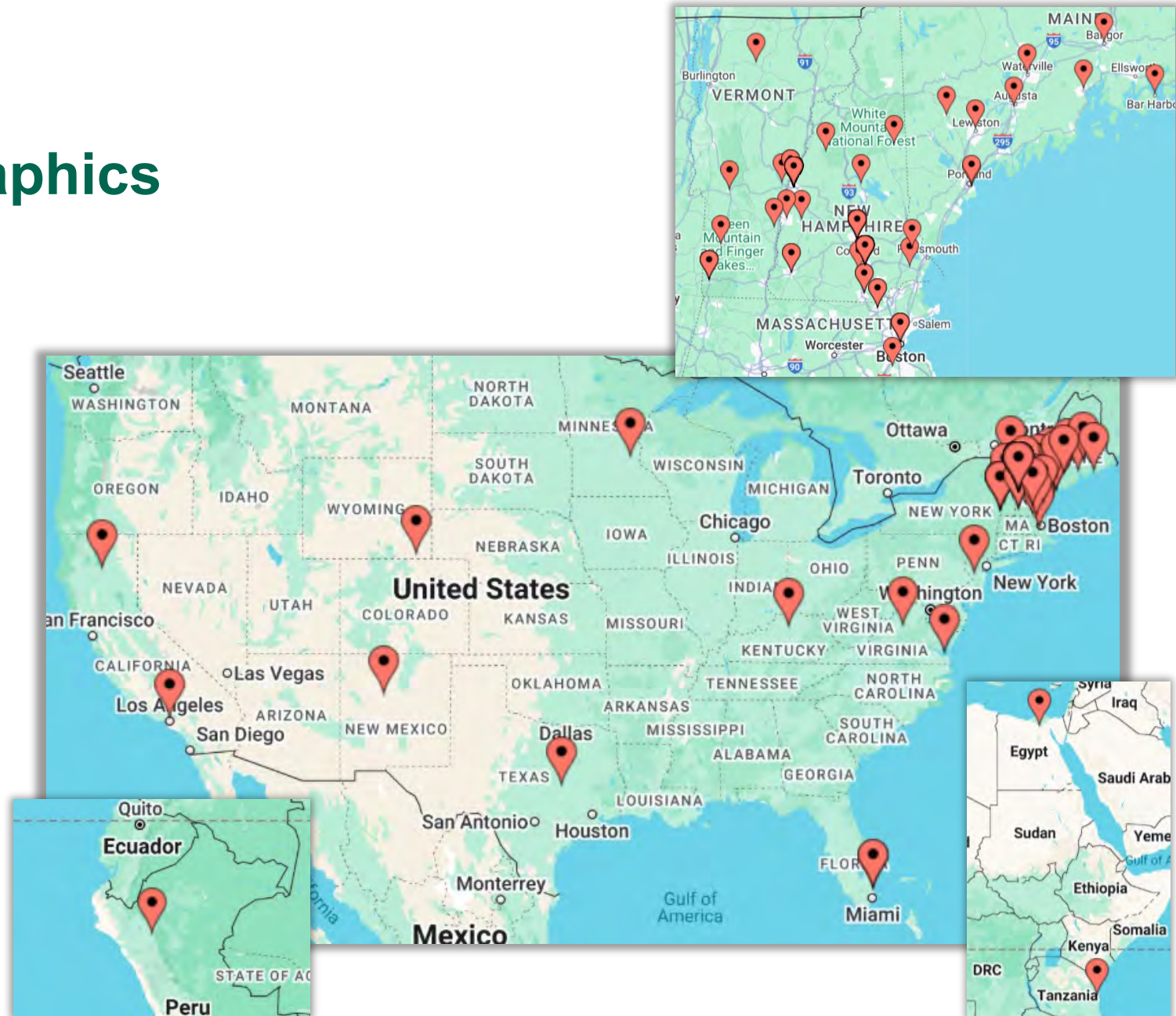
## CME/CNE

- One hour of free CME/CNE is available for every session attended, up to 10 sessions.
- Track participation via [DH iECHO site](#)
- A link will be provided at the end of the course to submit your attendance and claim your CME/CNE

# ECHO Participant Demographics

## Total Registrants: 130

| Professional Identities               |    |
|---------------------------------------|----|
| Nurse                                 | 39 |
| Physician                             | 37 |
| Dietitians and Nutritionists          | 15 |
| Administrator                         | 7  |
| Behavioral Health Professional        | 5  |
| Physician Assistant/Medical Assistant | 5  |
| Other healthcare professional         | 4  |
| Pharmacist                            | 3  |
| Patient navigator/healthcare educator | 3  |
| Child Development                     | 2  |





# Core Panel

- Abigail Berge-Clogston – Program Manager
- Amanda Boyd, MPH – Health Coach, Certified Personal Trainer
- Auden McClure, MD, MPH – Staff Physician, Pediatric Weight Center
- Charles Brackett, MD, MPH – Staff Physician, General Internal Medicine
- Elaine Banerjee, MD, MPH – Staff Physician, DH Weight Center
- Elizabeth Honigsberg, MD, MPH – Staff Physician, DH Weight Center
- Hannah Brilling, RDN, LD – Clinical Dietician
- Kimberly Dovin, MD – Staff Physician, DH Weight Center
- Kristin Wheeler, RN – Nurse, Weight Center
- Sarah Finn, MD – Interim Section Chief, DH Weight Center

# *Echo Session 1*

## Why Obesity is a Disease.

Elizabeth Honigsberg MD MPH FACS DABOM

May 13<sup>th</sup>, 2025

I have no financial interests or relationships  
to disclose.

There are four main objectives for today's discussion.

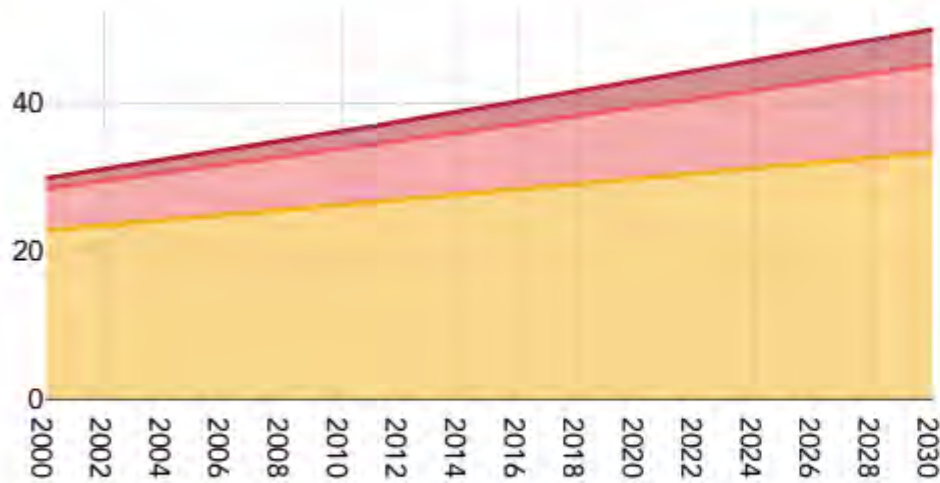
|                   |  |
|-------------------|--|
| <b>ASSESS</b>     | The current state of the obesity pandemic worldwide              |
| <b>UNDERSTAND</b> | Obesity as a neurobiological/neuroendocrine disease              |
| <b>APPRECIATE</b> | The multitude of factors that lead to the development of obesity |
| <b>REVIEW</b>     | The various criteria for diagnosing the disease of obesity       |

# The current state of obesity worldwide.

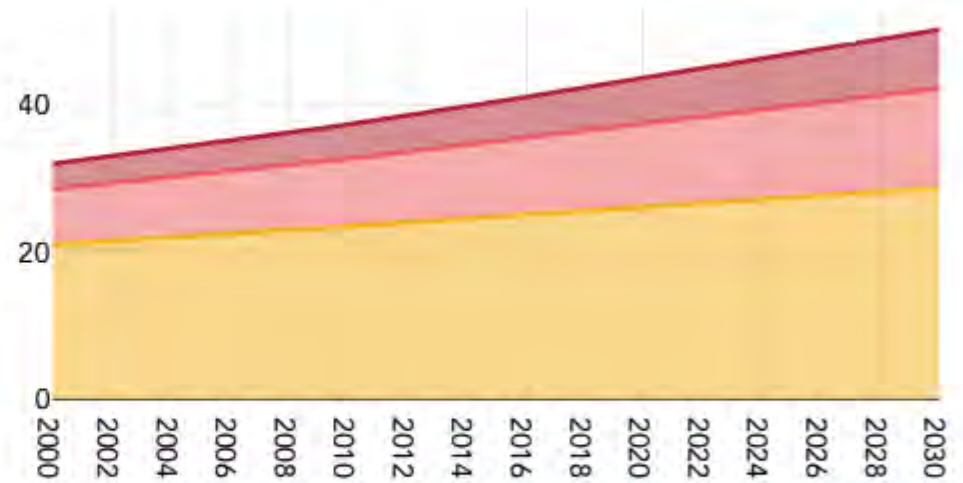


Rates of men and women (20 years +) living with “high BMI” are increasing worldwide.

Men



Women



Key ■ BMI 25<-30 kg/m<sup>2</sup> ■ BMI 30<-35 kg/m<sup>2</sup> ■ BMI 35+ kg/m<sup>2</sup>

Source: NCD-RisC (2024) and World Obesity Federation projections

By 2030, THREE BILLION adults will have “high BMI”, with 17% of men and 22% of women estimated to have BMI > 30 kg/m<sup>2</sup> (*and the world is NOT prepared*).

Yearly: 5  
million/41  
million adult  
deaths  
due to NCDs  
related to high  
BMIs.

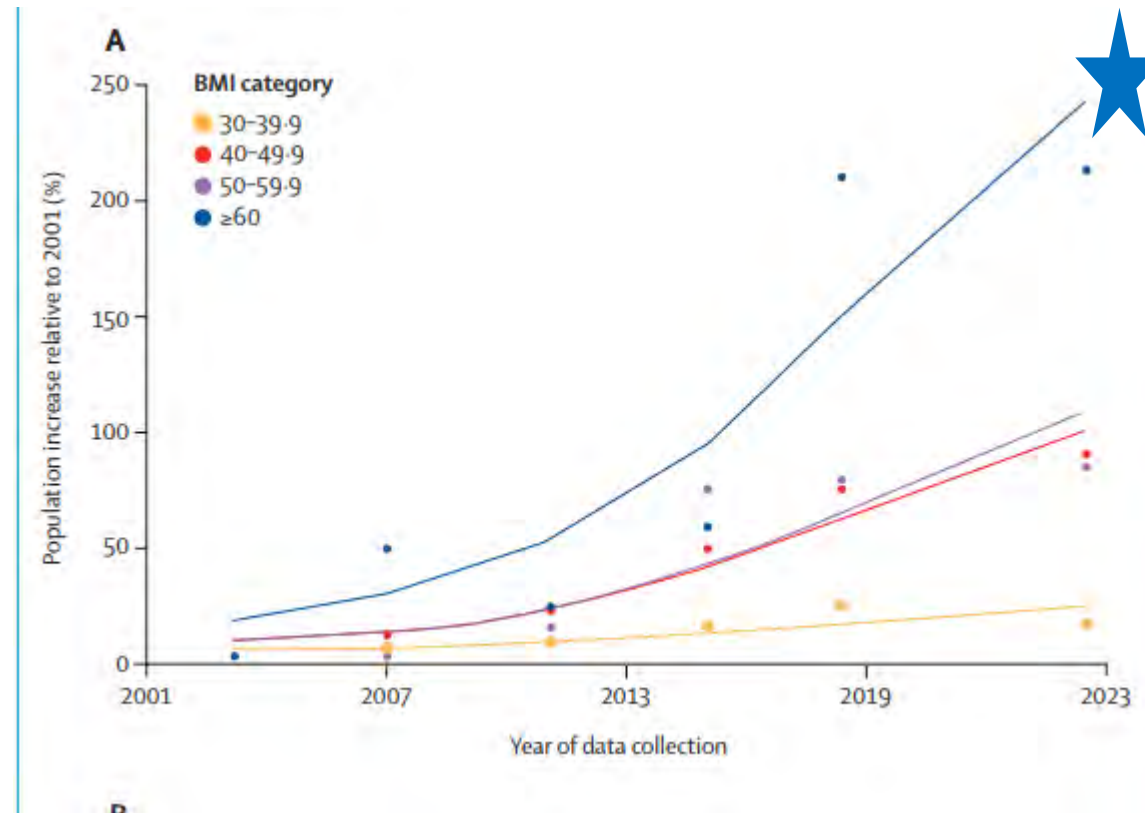
4 million  
deaths from  
T2DM, CVA,  
CAD, CA.



Obesity rates are  
doubling across the  
globe,  
TRIPLING in low-  
income countries.



In the United States, the prevalence of “normal” weight and overweight has declined since 2001, while all obesity categories have increased over this timeframe.



The largest relative increase of > 200%!



This global systemic failure to slow the obesity pandemic must end.



- To do so, we must end:
  - The misunderstanding
  - The underinvestment
  - The fragmentation
  - The stigmatization

There is a fundamental misunderstanding about obesity...



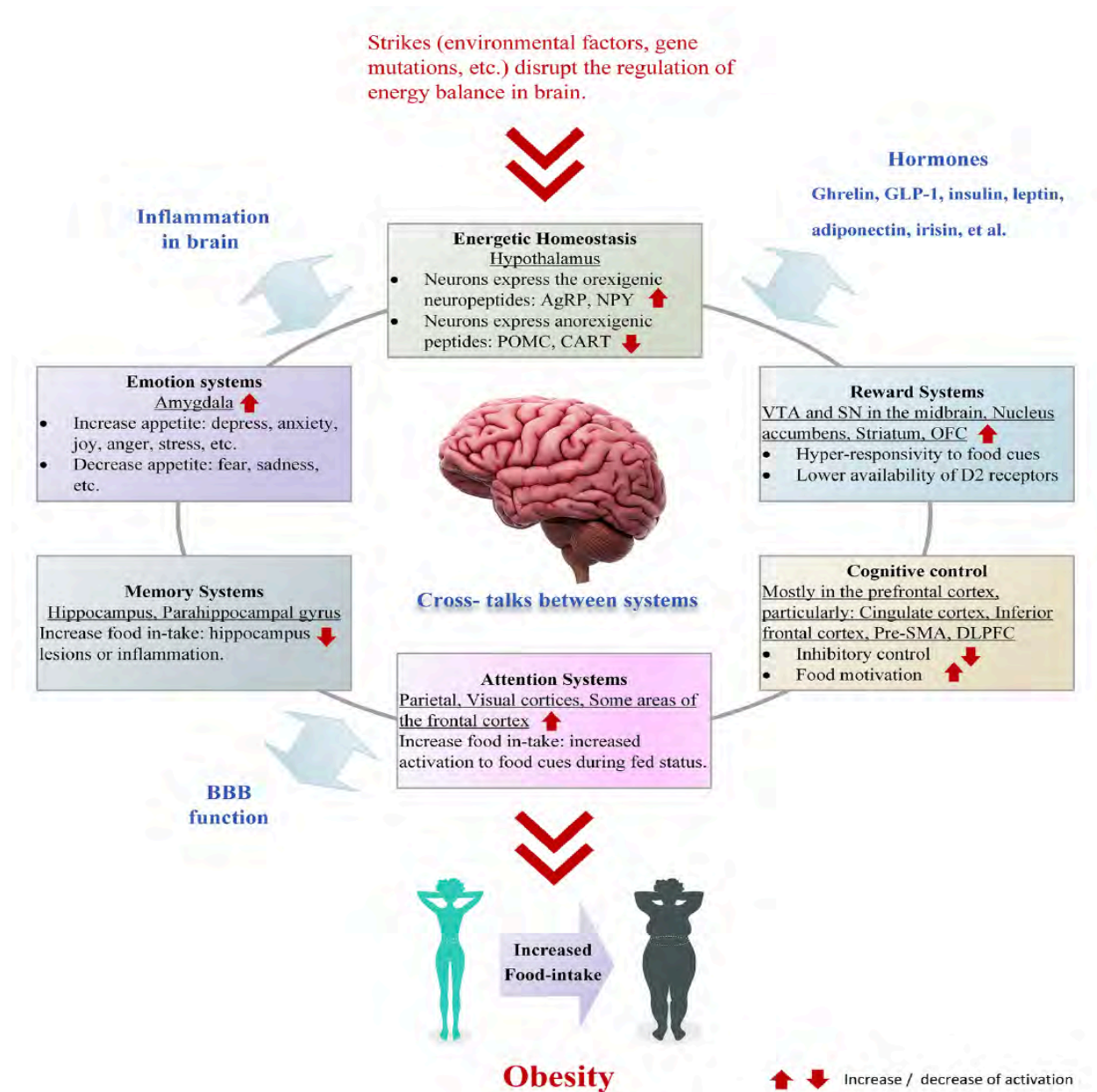
**THIS DOES NOT CAUSE OBESITY**



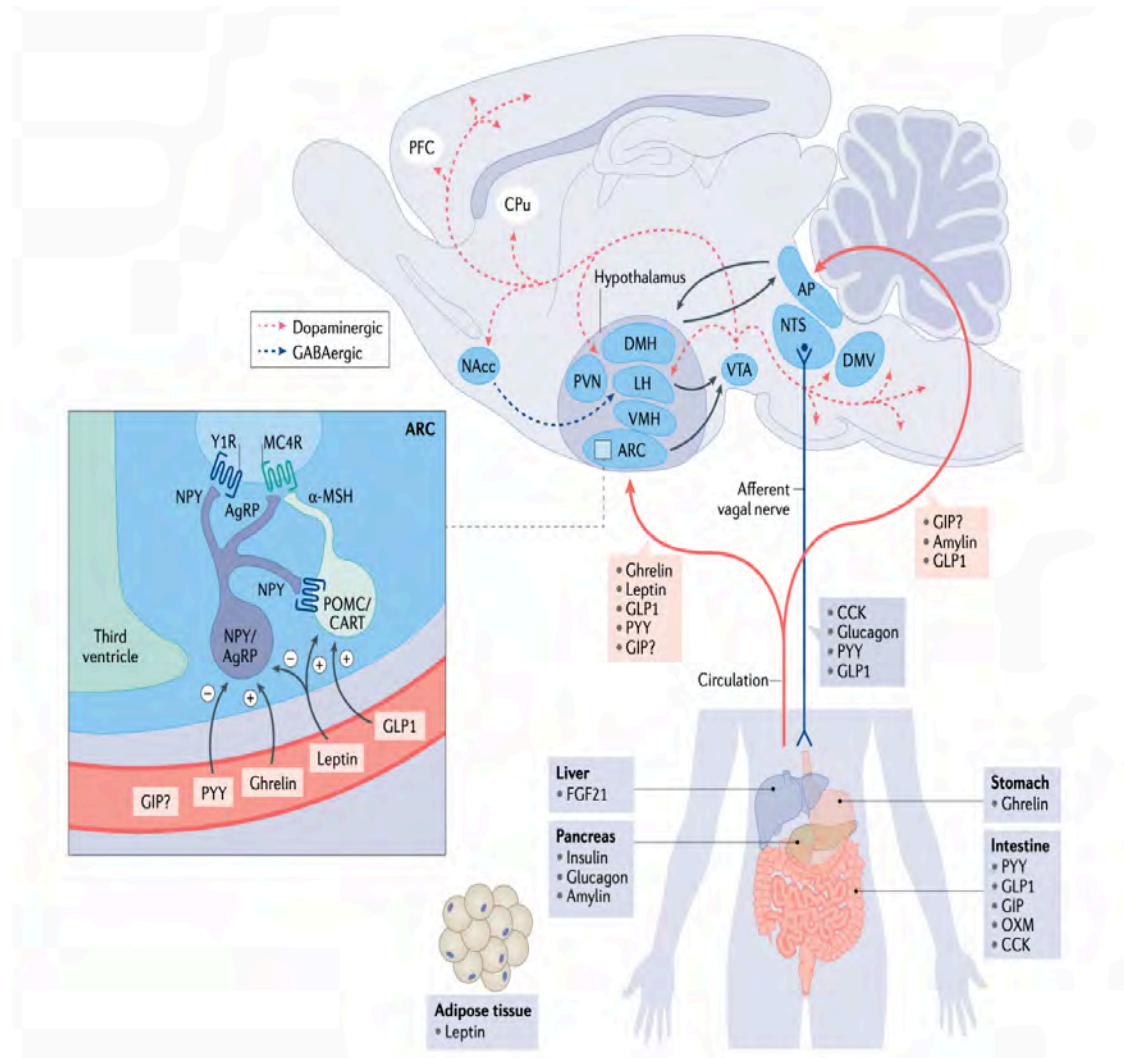
**THIS DOES NOT TREAT OBESITY**



Both food intake and fat mass/set point are highly regulated by the brain.



Various hunger and satiety hormones signal to the brain to affect food intake.



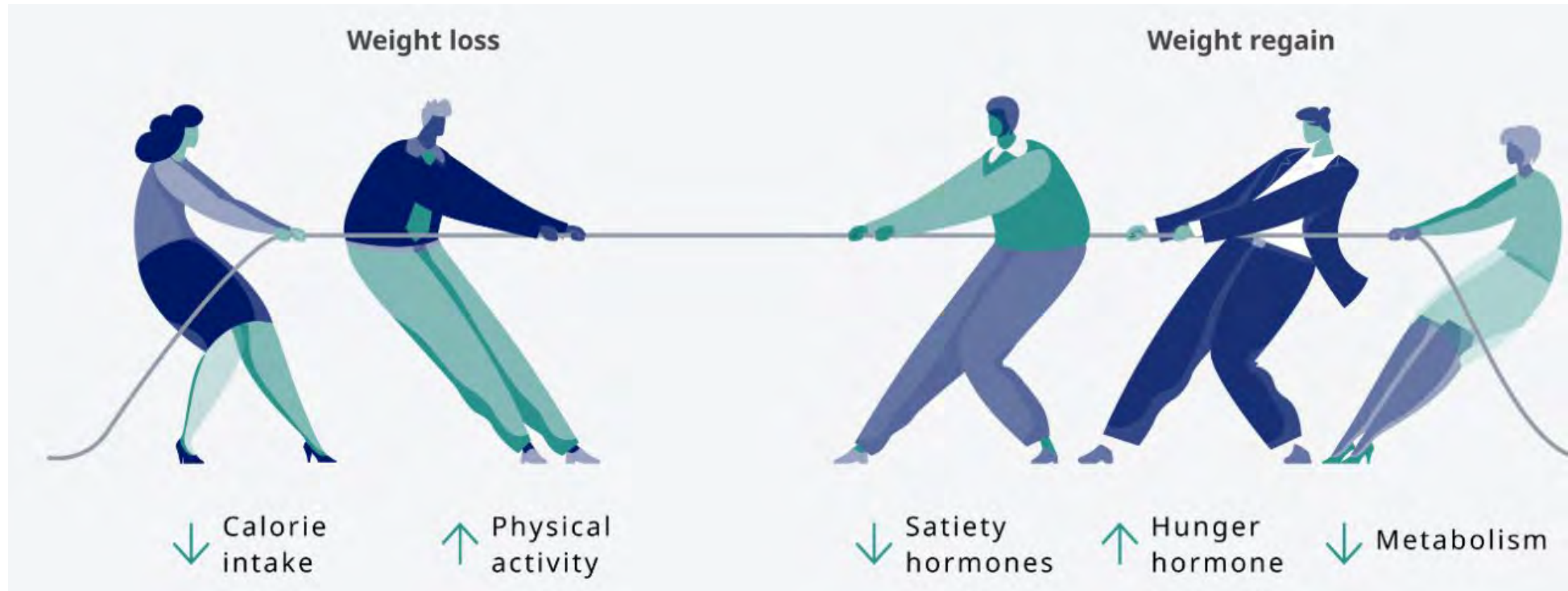


**The brain sets AND defends a fat mass (set point) for everyone.**



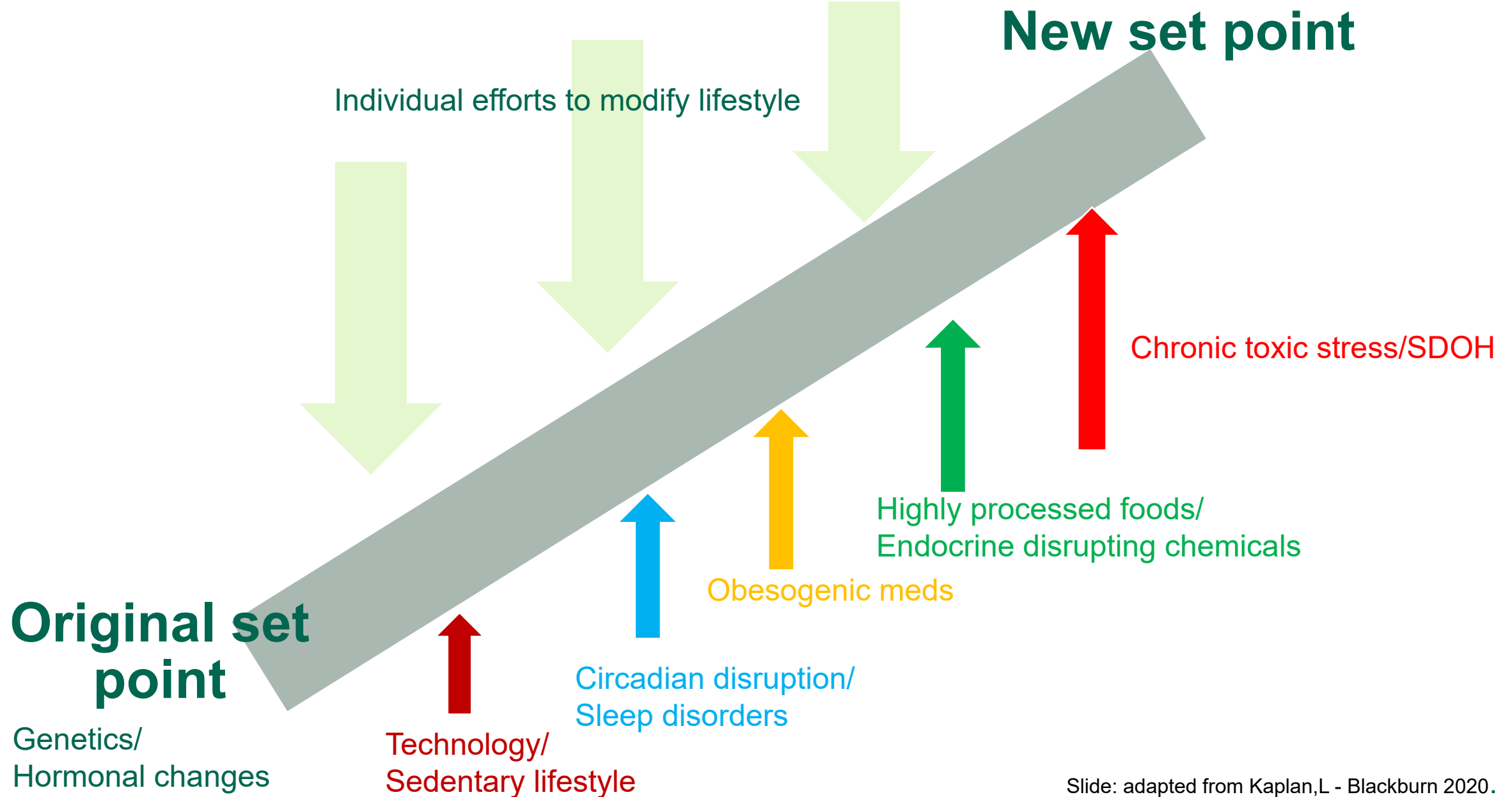
**In obesity, that fat mass/set point is abnormally high.**

# We have metabolically adapted to defend our fat mass.





What drives the development of obesity?



The definition of obesity is evolving as is the diagnostic criteria.



WHO: abnormal or excessive fat accumulation that presents a risk to health.

CDC: BMI > 30 kg/m<sup>2</sup>

Obesity Medicine Association: A chronic, relapsing multi-factorial, neurobehavioral disease, wherein an increase in body fat promotes adipose tissue dysfunction and abnormal fat mass physical forces, resulting in adverse metabolic, biomechanical, and psychosocial health consequences.

The Lancet Commission 2025: provided explicit characterization of the illness intrinsically caused by excess adiposity and establish objective criteria for diagnosis.

## OBESITY

Excess fat mass +/- abnormal distribution or function



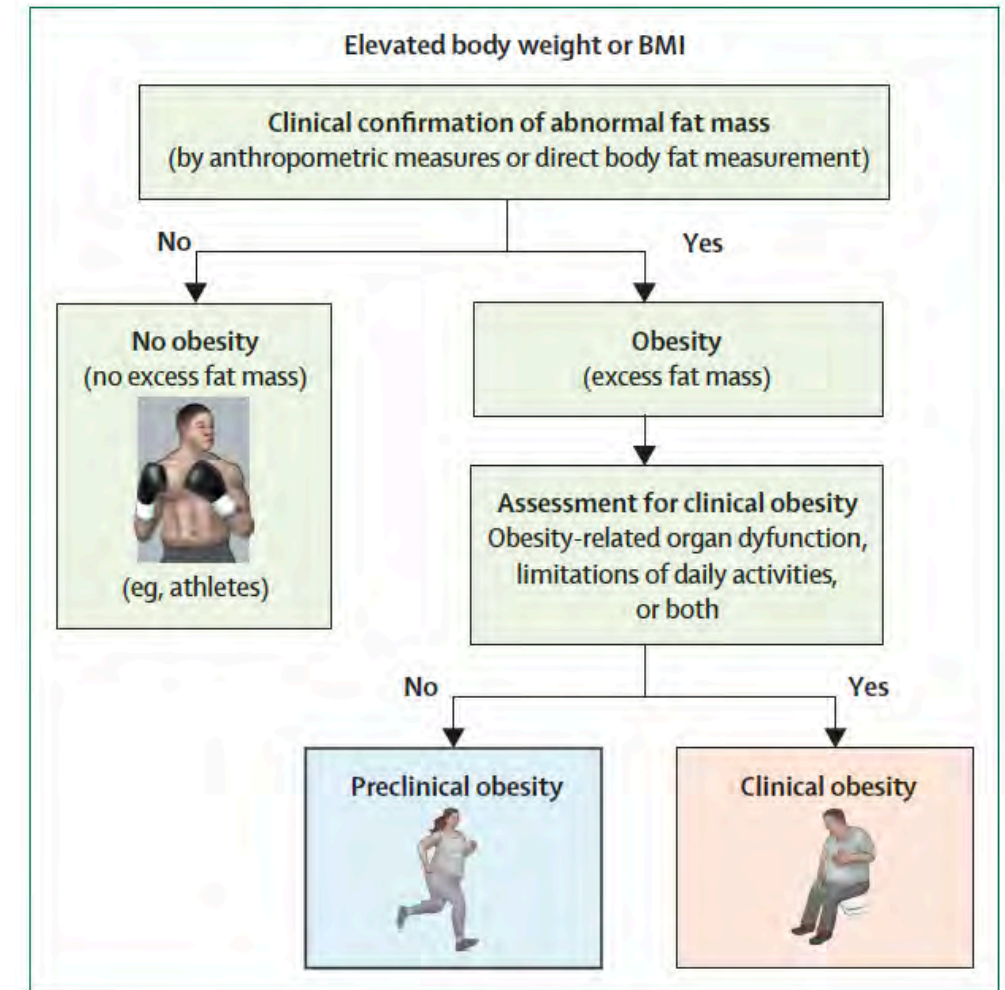
## PRECLINICAL OBESITY

At increased risk of developing obesity related organ dysfunction, limitation of daily activities, or both



## CLINICAL OBESITY

Chronic systemic illness with dysfunction of the tissues, organs, the entire individual



## The objectives for today's session.

|                   |   |
|-------------------|---|
| <b>ASSESS</b>     | The worldwide pandemic of obesity continues to worsen and low and middle income countries are least prepared.   |
| <b>UNDERSTAND</b> | Obesity is a chronic, relapsing neurobiological and neurohormal disease whereby the affected individual CANNOT lower the set point with diet and exercise alone.  |
| <b>APPRECIATE</b> | Both internal and external factors contribute to the development of obesity   |
| <b>REVIEW</b>     | Diagnosis still largely relies on BMI, however criteria is changing to reflect the greater importance of metabolic/orthopedic/psychosocial health than BMI alone. |

THANK YOU!

# Role Play





# WELCOME to the *Obesity Care in All Ages ECHO*

*Session 2, Approach to the Patient with Obesity, June 10<sup>th</sup>, 2025*

*This ECHO is supported by the Walter and Carole Young Center for Digestive Health*

# Today's Program

- Brief housekeeping
- Didactic: Approach to the Patient with Obesity – Kimberly Dovin, MD
- Case Discussion
- Summary
- Up Next



# APPROACH TO THE PATIENT WITH OBESITY

*Kimberly Dovin, MD*

*Echo Series: Obesity Care in All Ages*

*Session #2*

*June 10, 2025*

## Goals

How to talk to patients about weight



Learn to take an obesity specific history

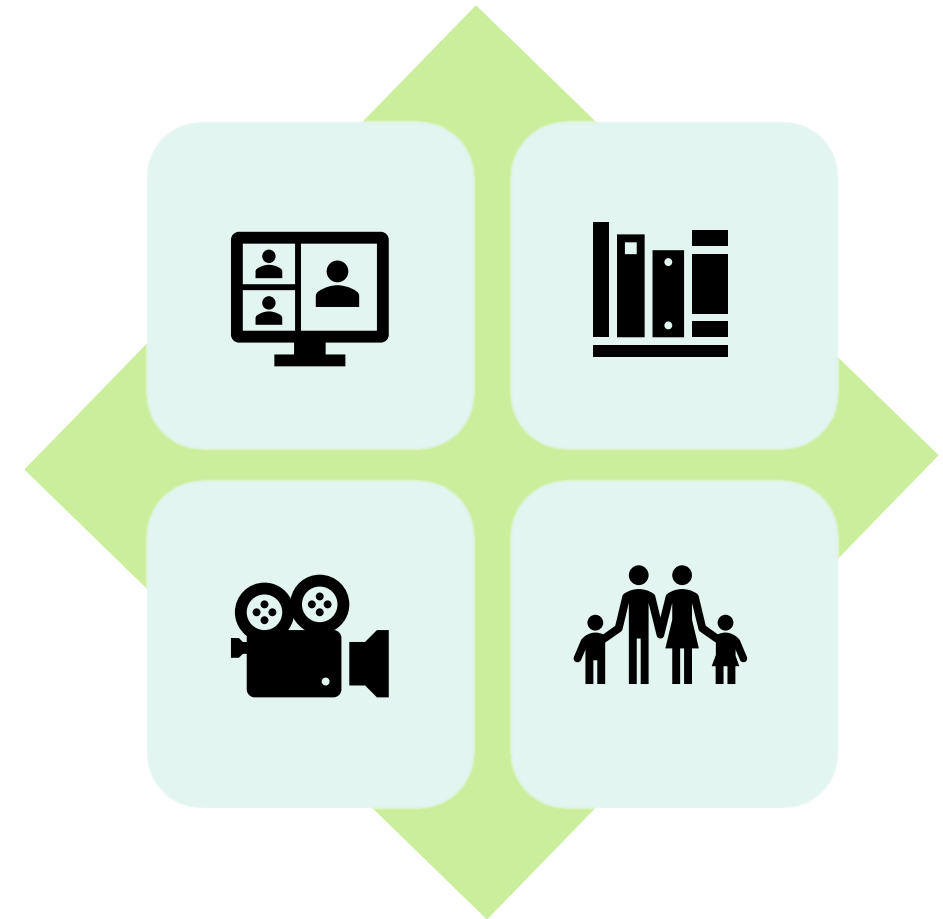


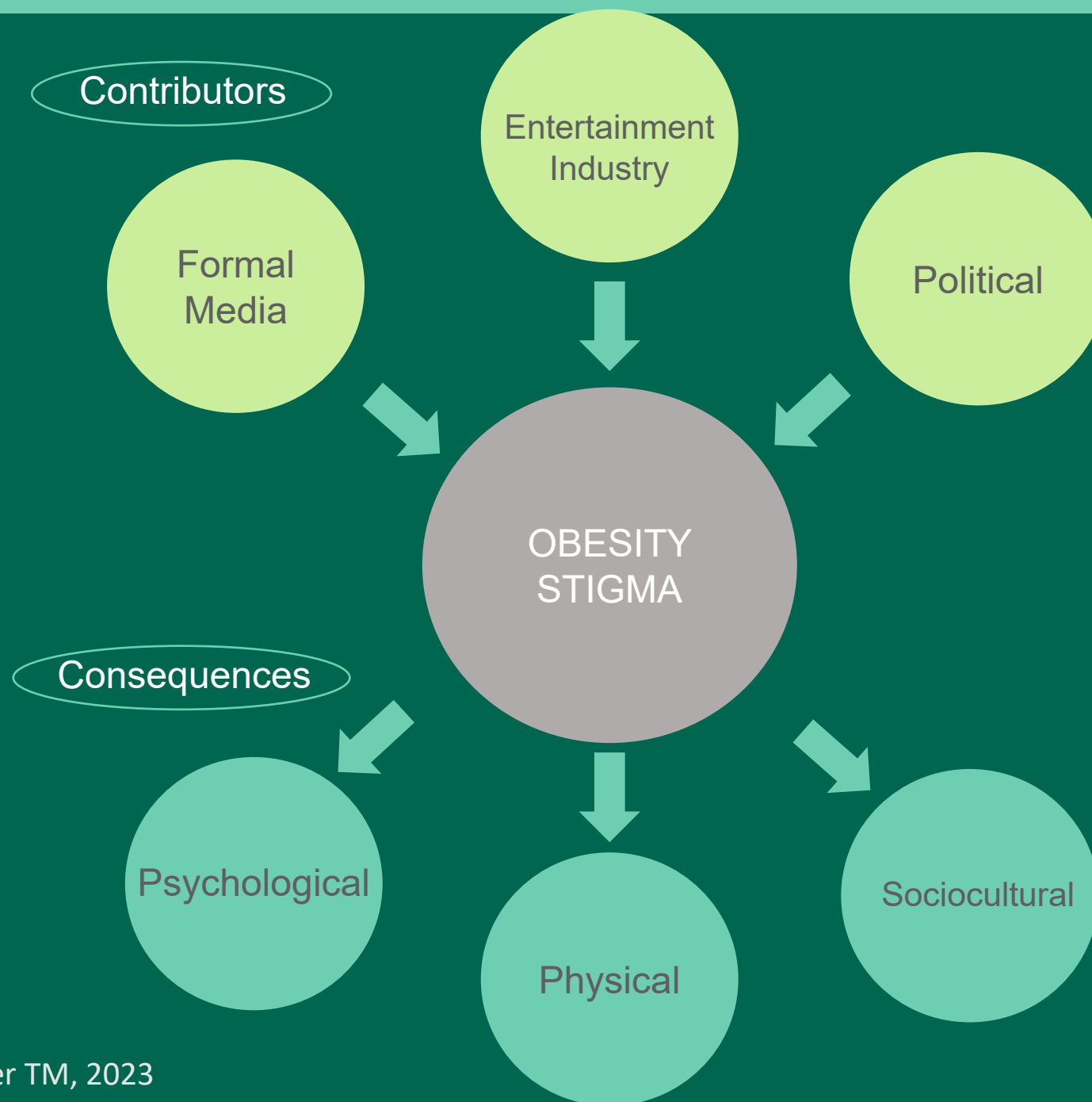
Understand the evaluation of obesity to identify complications

## Obesity Stigma and Bias

“Society regularly regards [persons with obesity] not as innocent victims, but as architects of their own ill health, personally responsible for their weight problems because of **laziness** and **overeating**.”

-Rebecca Puhl and Chelsea Heuer



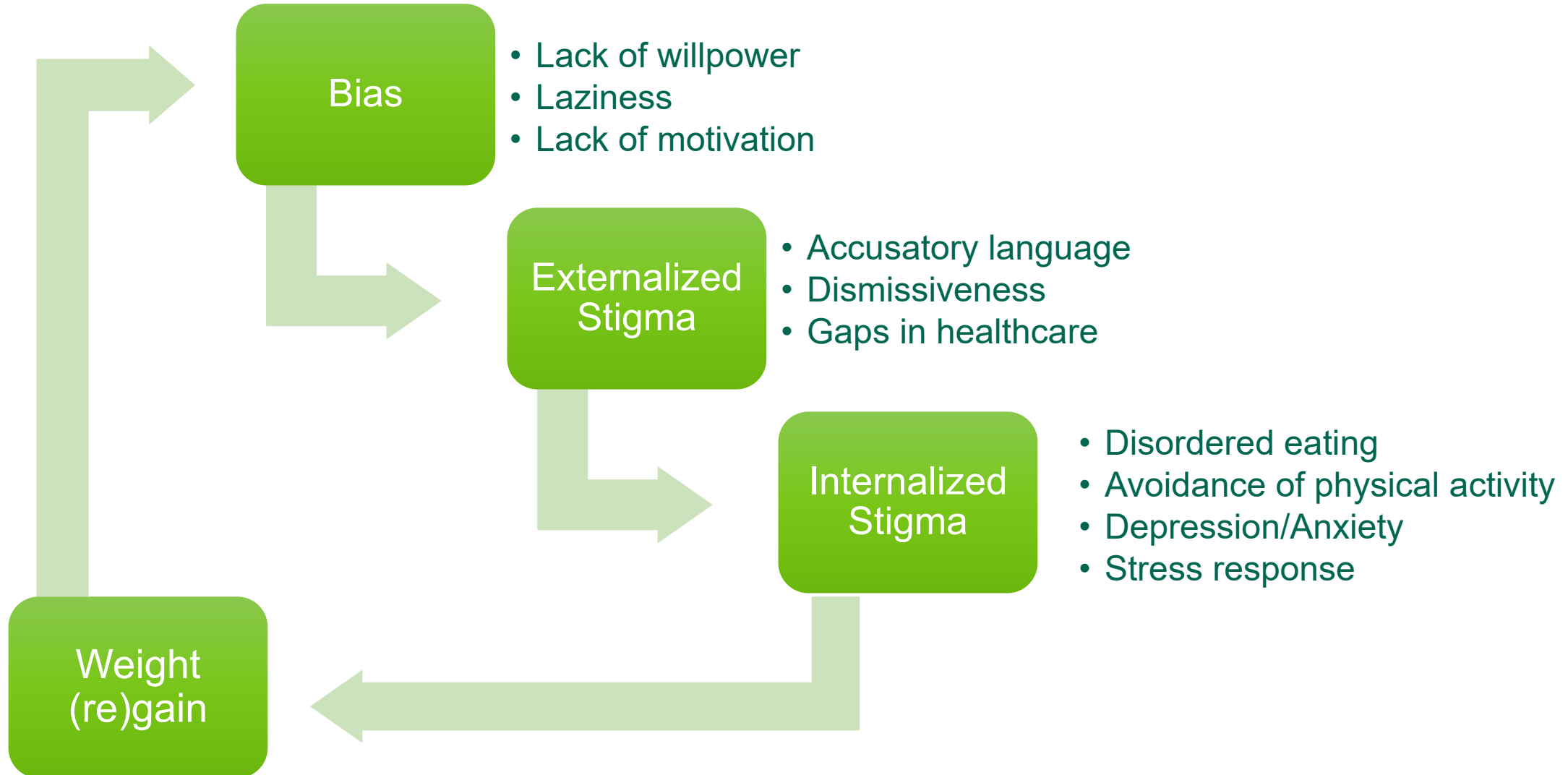




## Obesity Stigma - Medicine



- 2<sup>nd</sup> only to family in perceived bias
- Less time/discussion
- Less evaluation/screening





## Evaluation



Starting the Conversation



Take a weight history



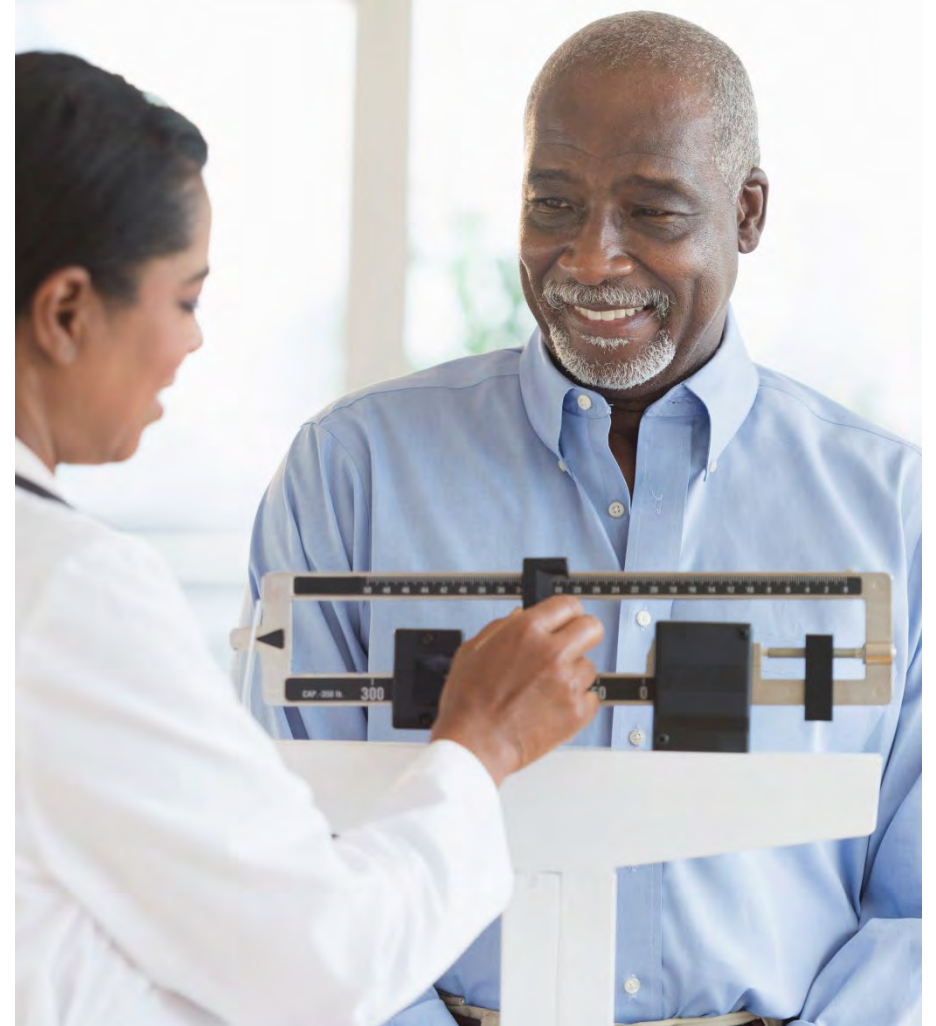
Assess symptoms and signs



Set Goals



(Re-)educate



## Weight History

- “What is the story of your weight”
  - Did they have early childhood obesity (<5yo)
  - Stable adult weight?
  - Did they have any large gains and what might have been happening at that time?
  - Has it been gradual through adulthood?
  - How has excess weight impacted their life?

## Symptoms of Obesity

- Pervasive thoughts of food
- Excess or no hunger
- Abnormal satiation/satiety
- Craving
- Pain or discomfort
- Difficulty with daily activities due to size
- Fatigue
- SOB
- Low body image



## Evaluation

### Physical Exam

- Gen: central, gynecoid, generalized adiposity.
- VS, Waist and Neck circumference
- HEENT: Mallampati? Moon facies?
- Neck: buffalo hump, thyroid?
- CV: evidence of arrhythmia?
- Abd: hepatomegaly?
- Ext: edema, cuffing?
- Gait: antalgic?
- Skin: acanthosis, hidradenitis, acne, hirsutism, abdominal striae, tender subcutaneous nodules, intertrigo

## Evaluation (continued)

### Laboratory evaluation

- CBC, CMP
- TSH
- Lipid panel
- FBS, A1c
- Vitamin D

### Complications

- Obesogenic medications
- MASLD/MASH – Fib4 calculation
- OSA
- Eating disorders
- Contraindications to AOMs



## Lipedema

Kruppa P, Georgiou I, et al PMID:  
32762835; PMCID: PMC7465366.

Stages of lipedema



Classification by stage

1) thickened subcutis, soft, with small, palpable nodules, skin surface still smooth

2) thickened subcutis, soft, some larger nodules, skin surface uneven

3) thickened subcutis, hardened, with large nodules, disfiguring fat deposition

Types of lipedema



Classification by morphology

I) buttock

II) thigh

III) entire lower limb

IV) arm\*

V) leg

\* Type IV is often associated with type II or III.

## Goals of Treatment

- ~~BMI < 25~~
- Improvement in complications
- Symptom Resolution
- QOL
- BMI <30?
- BMI  $\geq 23$



## Summary – Evaluating the Patient with Obesity



Approach patients  
with compassion



Take a disease-  
specific H&P



Set non-scale goals  
for treatment



- Kruppa P, Georgiou I, Biermann N, Prantl L, Klein-Weigel P, Ghods M. Lipedema-Pathogenesis, Diagnosis, and Treatment Options. *Dtsch Arztebl Int*. 2020 Jun 1;117(22-23):396-403. doi: 10.3238/arztebl.2020.0396. PMID: 32762835; PMCID: PMC7465366.
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