# Learn Healthy Weight Loss Methods Now (session 2 of 4)

Having a great holiday, without sacrificing your waistline!

By: Douglas Husbands, DC, CCN, ABAAHP

www.HolisticHealthBayArea.com

#### Biochemistry of Weight Loss

It's NOT as simple as:

Calories in < Calories out = Weight Loss

### "Why not?"

The type of calories affect many hormones. Calories from high sugar foods influence key hormones, and key hormones affect how calories are processed.

- Insulin
- Glucagon
- Cortisol
- The Estrogens (Estradiol, Estrone, Estriol)

#### Leptin (discovered 1994)

controls appetite

Zhang Y, Proenca R, Maffei M, et al. Positional cloning of the mouse obese gene and its human homologue. *Nature* 1994: 372: 425–32.

#### Ghrelin (discovered 1999)

- increases appetite

Kojima M, Hosoda H, Date Y, et al. Ghrelin is a growth-hormone-releasing acylated peptide from stomach. *Nature* 1999;402:656–60.

#### Obestatin (discovered 2005)

decreases appetite

Zhang JV, Ren PG, Avsian-Kretchmer O, et al. Obestatin, a peptide encoded by the ghrelin gene, opposes ghrelin's effects on food intake. *Science* 2005;310:996–9.

# How to favorably manipulate these hormones for weight loss

# Manipulate Hormones For Weight Loss With Food:

- Avoid simple sugars
- When you do have sugary foods, have no more than 20 grams of sugar every 3 hours
- When you have a food containing more than 20 grams of sugar, that food should also contain some fat and protein (Read "The Schwarzbein Principle")
- If the sugary food contains more than 20 grams of sugar, and has minimal fat and protein, have something containing fat and protein with it

- Have healthy, balanced, small frequent meals and snacks throughout the day:
  - About every 3 hours
  - Contain about 10-30 grams protein, about 10-30 grams fat, about 15 to 40 grams carbohydrate
- Carbohydrates :
  - Plenty of complex carbs:
    - Swiss chard
    - Mustard greens
    - Collard greens

- Bok Choy
- Kale
- Brussels sprouts
- Spinach
- Broccoli
- Cabbage
- Have some whole grains following rule of the hand:
  - http://www.youtube.com/watch?v=EtiX\_hE3F
    \_M)
- Whole fruit (skin included whenever possible)

- Avoid simple carbs:
  - Fruit juice
  - Table sugar
  - Fructose
  - Agave nectar (even though it is low glycemic)
  - Honey
  - Molasses
- Avoid artificial sweeteners
- Have holiday treats containing the above simple sugars sparingly

## Manipulate Hormones For Weight Loss Enhanced Detoxification:

- Non-supplement methods
  - 1. Upon awakening and before bed 8oz water, 1 tsp lemon juice, 1 pinch cayenne pepper
  - 2. Dry skin brushing with a loofah pad for 5 minutes before showering
  - 3. Home Sauna: Warm hot shower
- Supplemental methods:
  - Designs for Health Detox Support Packs
     <a href="http://www.holistichealthbayarea.com/order-products/">http://www.holistichealthbayarea.com/order-products/</a>; Click "Emerson Ecologics"; Enter Access Code: HEAL84