

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the frame, leaving a large white central area. The shapes include triangles and polygons, some with thin white outlines, creating a layered, modern aesthetic.

OBESITY

DEFINITION

- ▶ Obesity is that physical state in which the amount of fat stored in the body is excessive

BMI

- ▶ Clinical obesity is represented by body mass index.
- ▶ BMI is calculated as the weight(in kg) divided by the height (in meters²)
- ▶ $BMI = \frac{Weight(kg)}{Height(m^2)}$

Healthy reference range for BMI is between 18.5 to 24.5kg/m square

- ▶ Grade 1 obesity or overweight BMI 25 to 30kg/m
- ▶ Grade 2 or clinical obesity BMI greater than 30kg/m
- ▶ Grade 3 or morbid obesity BMI greater than 40kg/m

IMPORTANCE OF OBESITY

Obese persons are more than average population to certain diseases

- ▶ Diabetes mellitus type 2
- ▶ Cardiovascular disorders
- ▶ Liver diseases
- ▶ Physical consequences of too much fat
- ▶ Metabolic diseases like gout
- ▶ Skin disorders

Gynaecological disorders

Surgical post operative complications

▶ Industrial house hold and street accidents

TYPES OF OBESITY

- ▶ Exogenous obesity
- ▶ Endogenous obesity
- ▶ Pathologically types of obesity are
- ▶ Hyperpastic type
- ▶ Hypertrophic type

CAUSES OF OBESITY

- ▶ Genetic influences
- ▶ Physiological
- ▶ Metabolic
- ▶ Hypothalamic injuries
- ▶ Miscellaneous and endocrine disorders

PATHOGENESIS

- ▶ Age
- ▶ Sex
- ▶ Genetic factor
- ▶ Psychological factors
- ▶ Hypothalamic factors
- ▶ Epidemic encephalitis

Endocrine factors

- ▶ Frohlich,s syndrome
- ▶ Cushing syndrome
- ▶ Organic hypoglycemia
- ▶ In pregnancy
- ▶ Hypothyroidism
- ▶ Hypogonadism

METABOLIC CHANGES IN OBESITY

- ▶ 1 Changes in fat metabolism
- ▶ Serum triglyceride level
- ▶ Serum cholesterol level
- ▶ Mobilisation of FFA
- ▶ Lipoprotien lipase activity

CHANGES IN CARBOHYDRATE METABOLISM

CHANGES IN ACID BASE STATUS

- ▶ Clinical features
- ▶ Symptoms
- ▶ Signs
- ▶ HARMONES OF ADIPOSE TISSUE
- ▶ Two peptide hormones are produced by adipose tissue
- ▶ 1 Leptin
- ▶ 2 Adiponectin