

Once considered as a marker of well-being, being overweight is now a red carpet to a constellation of diseases, in the current era, when the world is tackling the epidemic of diabetes, obesity is indeed posing a parallel threat. Lefts get to the bottom of the problem right away to truly understand it.

First, calculate your BMI The BMI calculator can be used

for determining obesity. Here. a person's weight in kilograms is divided by the square of his or her height in meters. A result of over 24 is cause for serious concern. Obesity is a disease and thus medical management of obesity is of great importance and must be used as a remedy along with plans and lifestyle changes. When a person's BMI exceeds 32, he or she is diagnosed as morbidly obese. In such a situation, bariatric surgery is often recommended. Various diseases like heart disease and diabetes are linked with obesity. With every kilogram lost, an obese person gains an advantage in the fight over diabetes and blood pressure problems amonast other chronic conditions. In order to truly and effectively control obesity, one needs to sustain the weight loss achieved by an individual. This management is as vital as any treatment method itself.



Various diseases like heart disease and diabetes are linked with obesity.

Advances in Treatment Modalities for Weight Loss and Obesity

When we talk about clinical advancements in the treatment of obesity, it is important to atackie the problem thoroughly. The first step in obesity management is to identify the causes using patient history, clinical examination, laboratory tests and imaging. One should also identify the complications

associated with obesity through the same method. Once we know the cause, it becomes easier to tackle the condition. The obvious first step includes clietary modification, exercise promotion and

condition. The obvious first step includes dietary modification, exercise promotion and lifestyle changes. After these, come medical and surgical management. The last two options are aimed at moderate to serious cases of obesity where the disease has overtaken the life of the individual. As dotters, we focus individual. As dotters, we focus on weight loss as well as on inch loss to help tackle the problem of obesity itself along with the psychological state of the nation!

the patient. We shall now talk about medical management, surgical management, surgical management, non-invasive doy controlling, the advances that have taken place in obesity control and weight loss and also the prox and cons of each of most periods.

Medical Management • Appetite suppressants are now increasingly available in

- the market.

 One can also use
- medications to boost the resting metabolic rate of the patient.
- Medications that improve insulin sensitivity help with blood sugar control and
- weight control.

 Hormone medication may also be used to iron out any imbalances that might be
- triggering weight gain.

 A patient may even receive medication that slows down

A patient may even receive medication that slows

that slows down intestinal absorption to reduce weight gain.

Complications of Obesity

Sleep Apneas
Ling disease
Ling disease
Cine disease
Canter
Cancer

intestinal absorption to reduce weight gain.

Similarly, medicines that

- provide a feeling of fullness help reduce the intake of food in the first place. Pros: There are several advantages to choosing medical management.
- of obesity.

 The process is affordable and non-surgical, and hence does not
 - require hospitalisation.

 The patient benefits from the positive lifestyle changes which also help him or her manage.
 - the complications associated with obesity.

 Less risky and can be easily repeated.

 Const However, there are disadvantages when choosing.
 - disadvantages when choosis medical bariatrics.

 This method involves absolute motivation, compliance and active
 - participation of the patient.

 The use of medication often
 - means that the patient has to consume pills at regular intervals which may be cumbersome.
 - Dietary plans have to be followed strictly. These plans tend to be less effective over time as the body weight comes closer to normal.



- Patients have to follow a restricted diet plan which often promotes drop-outs followed by rebounds in weight gain.
 Side effects or nutritional
- deficiencies may occur.

 Survical Management

Through backeric surgery, the size of the patient's stornach is reduced. The gastroinestrial tack is also reduced in length. Homomod changes bred to reduce one's appetite and the patient will usually feet fail quite quickly after the procedure is complete. Press The advantages of baristric surgery lie in the speed and extent of the weekel loss.

> The chances of the patient rebounding in weight are also lowered.
> Patients often do not need to actively participate in the post-care process and will

also have to consume fewer medicines.

• Bariatric surgery is most effectively applied to morbidly obese individuals who often may not be able to exercise because of their



Bariatric surgery has its disadvantages

as well. They include high costs and the need for

hospitalisation.
All surgeries carry the risks associated with

anaesthesia and the procedures themselves.

Cons: As with most medical procedures, bariatric surgery har its disadvantages as well.

- These include high costs and the need for hospitalisation.
 All supporter carry the
- risks associated with anaesthesia and the
 - procedures themselves.
 Some patients do suffer from
 - post-operative complications

 Strict dietary protocols are
 applied to natients within the
 - first three months of recover
 Finally, patients often suffer from hair loss, nutritional
 - deficiencies and sagging skin.

 Furthermore, weight loss may occur disproportionately across the body.

Inch Loss or Body Contouring

contouring is related to adipocytes or fat cells, fat cell storage through triplycerides and the relation between these and

important in the body's functions of energy storage, hormone regulation and other endorrinal functions

5=0

Mini-Gastric Rysaus

Medical Breakthroughs



The first mechanism uses heat which increases the localised metabolic rate, allowing for a natural exit of triglycerides out of the fat cells. This results in the reduction of bulging or distention of the fat cells.

- Adipose cells store energy for intermediate or long-term periods and are thus vital.
- When a person consume more calories than he or she uses, adipocytes get swollen with triplycerides. As these cells continue to bulge. convex distensions occur i the soft tissue of the body This creates undesired contours on the body. in women, bulges or distensions occur in the hins, lower abdomen, outer thighs, inner knees, arms and bra-line, in men, common distensions occur around the breast area, the abdomen sees, accused the flanks and
- Methods of Body Contouring There are several mechan involved in non-invasive
- The modification of adipocytes can be done by any of these methods. • The first mechanism uses heat which increases the
 - heat which increases the localised metabolic rate, allowing for a natural exit of trigbycerides out of the fat cells. This results in the reduction of budging or distension of the fat cells. • The second mechanism uses
- either high-voltage radio frequency or high-frequency ultra-sound energy to destroy fat cells through permanent membrane damage. This leads to release of all the contents of the fat cell.

· The third and most the use of a low-level laser therapy. In this procedure, the cell membrane gets temporarily disrupted allowing for fat cells to exit. However, the membrane is not destroyed and it repairs itself, thus restoring the cell. As mentioned above, actionoptes do helo in marry endocrine and physiological functions. The third option is therefore the most advanced method in dealing with weight loss and obesity. Apparently, it is the most desired method of body contouring.



Using any of these methods results in the reduction of the size of fat cells, or their quantity. When we apply this over the millions of cells in the body, the measurable fat and circumfeence of the patient's body will be reduced. But the possible diswhack is the potential for complications divinion and after the surgery.

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