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Review on Elderly Obese People

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Review Article

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ABSTRACT

Obesity causes genuine medicinal complications and impairs quality of life. Furthermore, in older people, Obesity in maturity is connected with expanded morbidity and a reduction in quality of life. However, legitimate treatment for obesity in older person is because of the reduction in relative health risks connected with increasing body mass index and the concern that weight reduction could have potential destructive impacts in older population. The Obesity Society overviews the clinical issues related to obesity in older patients individuals and outfits wellbeing specialists with legitimate weight-administration rules for hefty and more seasoned patients. The present article gives data on weight reduction treatment, that minimizes muscle and bone misfortunes is prescribed for more seasoned people. Who are obese patients and therapeutic confusion that can profit by weight loss.

INTRODUCTION

The purpose of this article is to review the clinical issue regarding fleshiness in older persons and to supply correct weight management pointers for this older people. Consistent with recent survey, more or less five hundredth of sixty years older people were corpulent. Not only older people paediatrics also is overweight [1-5] or obese. the percentage of obese people are increasing apace, over recent years, the foremost causes and consequence of excess weight in older people is assisted by correct modification in craving, food Intake [6-11] and body composition that occur with ageing.

Changes in body weight and body composition with increasing age

With traditional aging there's a progressive increase in fat and reduce in low-weight, when the age of sixty years, mean weight and BMI tend to decrease. At any time given weight, maturity individuals, on average, have considerably a lot of body fat than young adults. Aging is likewise connected with a distribution of each muscle to fat and FFM. With aging there's a larger relative increase in intra-abdominal fat than in total body fat [12-14], and there's a larger relative decrease in peripheral than in central FFM thanks to the loss of musculus. Additionally, will increase in contractor and intrahepatic fat in older persons area unit related to hypoglycaemic agent resistance.

Changes in Appetite and Food Intake with Increasing Age

On average, adults end up being less hungry and eating less as they become older; in any case they're healthy. This physiological, age-related diminishment in hunger and energy consumption has been termed 'the eating disorder of aging' and seems to own several causes. Traditional day by day energy intake decrease by up to half-hour around twenty and eighty years. An oversized portion of the age-related decrease in energy is presumably a reaction to the decrease in overall energy consumption that additionally happens once individuals grow up. Changes in body composition [15-20] and weight reflect the balance of those two reductions In distinction, body

weight tends to decrease in older people, suggesting a quicker decline in food intake than in energy expenditure in later life.

Adverse effects of obesity

Hypertension, high cholesterol, heart disease, Diabetes, [21-32] and certain tumors are mostly affected by obesity patients and physical disability is also a major cause due to the impact of weight on joints. In any case, researchers have described a phenomenon called "the obesity paradox." Although at young age, overweight and weight are clearly connected with a shorter lifespan, it appears that at old age, this is not generally true. A few studies have demonstrated that the "ideal" protective weight may be higher in the older people. Changes in body during the aging process increase variation in distributions of muscle and fat. These things are not present in younger ages. Obese elderly patients are often seen suffering from breathing that can reach insufficiency and cause a laboured respiration.

Obesity, diabetes, hypertension, and the metabolic syndrome in advanced age

The rate of the metabolic rises with increasing BMI, and waist circumference are common in older men and women than in younger one. The event of the metabolic syndrome achieves peak level in the 6th decade for men and the 7th decade for women and a decline is noted just in the 8th decade for men and for a few women in various ethnic groups. As recently outlined that High Blood Pressure and obesity are two of the most powerful risk factors for hypertension, and high blood pressure [33-36], it is the major determinant of mortality and stroke occurrence, particularly in senior years. BMI and abdominal obesity are altogether and autonomously associated with an expanding in the pervasiveness of hypertension, type 2 diabetes and obesity contributes to the development of hypertension in diabetes in all ages, including seniority. Thus, division of abdominal adiposity from its closest sequels, i.e., the metabolic disorder, hypertension [21-24], and diabetes, is to somewhat artificial, particularly late in life. Adiposity strongly impacts these risk factors, which, with the progression of time, may directly dominate the occurrence of complication.

Effects of obesity on respiratory function

Shortness of breath is one among the most typical symptoms of the fat, as a result of the rise in metabolic rate in obesity. This can be typically misdiagnosed as respiratory illness, or as heart failure, particularly if there's peripheral oedema. Excessive adipose tissue [37-39] on the neck, thorax and abdomen leads to numerous respiratory organs operate abnormalities as well as weight hypoventilation disorder and hindering sleep disorder. These variations square measure a consequence of obesity-induced reduction in chest wall and respiratory organ compliance. Asthma has been reported to be increased in the obese.

Genetic factors

There is extending cognizance of a component of hereditary impact on obesity. The mapping of the human genome, merged with evidence from single-gene mutation cases and animal cross-breeding tests, have recognized a huge connection between hereditary variables and weight. It is rising that weight is the consequence of a complex pathophysiological pathway including numerous elements that control fat tissue metabolism. Cytokines [40-44], free unsaturated fats and insulin all have impact and genetic defects are likely to significantly affect the balance of this process. KRS2 is one gene that has as of late been identified as being implicated in obesity and metabolic rate. DNA sequencing in more than 2,000 large people recognized different changes of the KRS2 quality, and transformation bearers showed serious insulin resistance and a diminished metabolic rate [45-46]. It might be that regulation of KSR2-interceded impacts may potential to have therapeutic implications for obesity.

Cancer

Obesity is related to AN exaggerated risk of several types cancer that occur additional common in older individuals than in young one, diseases like breast cancer [47-51], colon, gallbladder, pancreas, renal, bladder, uterine, cervical, and prostate growths. In one study, in incidence of carcinoma [52-55] largely older weighty ladies (≥ 60 y more matured, BMI ≥ 30) were higher when put next to traditional older ladies.

Prevention and Management

The main treatment for elderly one is to maintain their diet and physical exercise every day. Weight maintainance can be the best treatment to anticipate preventing obesity in the old age. At times the elderly individuals are seen to build up a slant towards overeating or eating unhealthy foods. But to maintain the quality of life they need to show a bit restrain. Of accessible medicines for the elderly obese, Aerobic exercise, exercise is by far the most successful, and progressive resistance training can all be useful in decrease or maintain body weight and improve function.

Lifestyle intervention

In the old, the purpose of weight reduction is to boost physical operate and quality of life with less accentuation on vas risks, however each outcomes apply in the least ages. Mood and quality additionally improve the load loss. Weight loss management programme should be customized consistent with the individual desires so as to supply a diet, acceptable to keep up physical activity and level of calorie intake and in addition as period of medical care. Old age patients on medication whose action, or half-life, may be altered by weight loss. Low-energy liquid or Very-low-energy diets are avoided for old patients. There is consequently very little or no proof for, or against, their use within the old people.

REFERENCES

1. Adolfsson B and Persson CL. Can lifestyle seminars and self-help groups contribute to sustained weight loss?. *J Community Med Health Educ.* 2016;6: 439.
2. Yu R and Woo J. Cross cultural cohort studies may improve understanding of contributory factors to ageing well. *J Gerontol Geriatr Res.* 2016;5:300.
3. Brochu P and Facetti Socol. A Ventilation Rates during the Aggregate Daytime Activities of Working Females in Hospitals: Data before their Pregnancy and at their 9th, 22nd and 36th Week of Gestation. *J Clinic Toxicol.* 2016;6:306.
4. Anne Koch, et al. Increased attentional bias towards food pictures in overweight and obese children. *J Child Adolesc Behav.* 2014;2:130.
5. Marceline YT, et al. Obesity, central obesity, overweight and diabetes: women are the most affected in burkina faso. *J Women's Health Care.* 2014;3:155.
6. Perillo L, et al. Influence of occlusal disorders, food intake and oral hygiene habits on dental caries in adolescents: a cross-sectional study. *Dentistry.* 2016;6:358
7. Nikkhah a. Standardizing appetite through timing of food intake to minimize metabolic disorders: a veterinary revelation. *J Veterinar Sci Technol.* 2016;6: e116
8. Barbosa DEC, et al. Changes in taste and food intake during the menstrua83cycle. *J Nutr Food Sci.* 2015;5:383
9. Choi SE. Comparisons of 6-n-propylthiouracil (prop) sensitivity, food liking and food intake between vegetarian and non-vegetarian women. *J Obes Weight Loss Ther.* 2015;5:255
10. Hirako S, et al. Galanin-like peptide ameliorates obesity by control of food intake and energy metabolism. *Pharm Anal Acta.* 2014;5:297
11. Crichton GE and Elias MF. Dairy food intake and cardiovascular health: the maine-syracuse study. *Adv Dairy Res.* 2014;2: 112
12. Schulz S, et al. Acute co- administration of the cannabinoid receptor agonist win 55-212,2 does not influence 3,4-methylenedioxymetamphetamine (mdma)-induced effects on effort-based decision making, locomotion, food intake and body temperature. *Biochem Pharmacol.* 2014;3:127.
13. Mohammed Z. Impact of the changed eating habits on the health risks among the algerians university female. *Anat Physiol.* 2016;6:218.
14. González-Stäger MA and Rodríguez-Fernández A. Overnutrition in adolescents born preterm. *J Obes Weight Loss Ther.* 2016;6:306.
15. Peacock CA, et al. Effects of an exercise intervention on body composition in older adult males diagnosed with parkinson's disease: a brief report. *Physiother rehabil.* 2016;1:102
16. Li W, et al. Effects of different dietary carbohydrate/lipid ratios on growth, feed utilization and body composition of early giant grouper *epinephelus lanceolatus* juveniles. *J Aquac Res Development.* 2016;7:415
17. alavolti M, et al. Gestational weight gain and changes in body composition in pregnant women with bmi ≥ 25 kg/m² undergoing a healthy lifestyle program starting early in pregnancy. *J Obes Weight Loss Ther.* 2016;6:300

18. Moon A and Cobbold C. The effect of creatine supplementation on body composition and bone health in the elderly. *J Obes Weight Loss Ther.* 2016;6:298.
19. Lee K, et al. Body composition and metabolic risk variables for obesity in korean healthy women. *J Nutr Disorders Ther.* 2015;5:167
20. Pagano D, et al. Portal hypertension model in pigs. *J Clin Exp Transplant.* 2016; 1:e101
21. Aberha M, et al. Prevalence and factors associated with anxiety among patients with hypertension on follow up at menelik- ii referral hospital, addis ababa ethiopia. *J Psychiatry.* 2016;19:378
22. Li M, et al. To live long, eat less salt: salt intake reduction promotion and hypertension control in china. *Health Care: Current Reviews.* 2016;4:169
23. Skride A, et al. Pulmonary arterial hypertension associated with adult congenital heart disease, when inoperable becomes operable: a case report. *J Pulm Respir Med.* 2016;6:350
24. Eggert K, et al. A prospective, multicenter, 2-year echocardiographic study on valvular heart disease in parkinson's disease patients taking rotigotine and other non-ergot dopamine agonists. *J Alzheimers Dis Parkinsonism.* 2016;6:233
25. Mulatu HA, et al. Prevalence of rheumatic heart disease among primary school students in mid-eastern ethiopia. *Biol syst Open Access.* 2016;5:149
26. Maramao F, et al. Radiotherapy-chemotherapy related heart diseases in surgical setting. *J Clin Exp Cardiol.* 2016;7:444.
27. Kataria V, et al. Radiofrequency catheter ablation of ventricular tachycardia in structural heart disease: single team experience with follow-up upto 5 years. *Arrhythm Open Access.* 2016;1:104
28. Inancli SS, et al. Evaluation of thyroid autoimmunity in gestational diabetes mellitus. *J Diabetes Metab.* 2016;7:682.
29. Zaini RG and Abdulsatar S. Detection of undiagnosed diabetes among saudi female at four campaigns in taif city, saudi arabia. *J Diabetes Metab.* 2016;7:689.
30. Janet LP and LeAnne MH. validity of the community integration questionnaire as a measure of participation in persons with diabetes mellitus. *J Diabetes Metab.* 2016;7:687.
31. Duong-Quy S, et al. Prevalence and characteristic of obstructive sleep apnea syndrome in subjects with high blood pressure: a pilot study in vietnam. *J Vasc Med Surg.* 2016;4:273.
32. Maggi P, et al. Organ damage in hiv-positive patients with high blood pressure. *J AIDS Clin Res.* 2013;4:248.
33. Dolores Marrodán M, et al. High blood pressure and diet quality in the spanish childhood population. *J Hypertens.* 2013;2:115
34. Carvalho AS, et al. Brain angiotensin-ii-derived reactive oxygen species: implications for high blood pressure. *J Hypertens.* 2012;1:107.
35. Panneerselvam S, et al. Protective effect of soy isoflavones (from glycine max) on adipose tissue oxidative stress and inflammatory response in an experimental model of post-menopausal obesity: The Molecular Mechanisms. *Biochem Anal Biochem.* 2016;5:266
36. Lounsbury EA, et al. Adipose tissue hypoxia: effects on metabolism and insulin sensitivity. *J Nutr Food Sci.* 2016;6:488.
37. Debnath M and Sarkar S. Obesity induced metaflammation: pathophysiology and mitigation. *J Cytokine Biol.* 2016;1:104.
38. Míguez MJ, et al. Obesity, cytokines and cognition across the lifespan among people living with hiv. *J AIDS Clin Res.* 2016;7:593.
39. Gomes AP, et al. Pro-inflammatory cytokines in sepsis: biological studies and prospects from in silico research. *Biol Syst Open Access.* 2016;5:158
40. Spahiu V, et al. Cytokines: key biomarkers in elucidating the pathogenesis of inflammation. *J Clin Cell Immunol.* 2016;7:421

41. Trunov A, et al. Cytokines and infertility influence of cytokines and local inflammation in women of reproductive age with infertility. *J Cytokine Biol.* 2016;1:102.
42. Zago P, et al. Alcohol use disorder and inflammatory cytokines in a population sample of young adults. *J Alcohol Drug Depend.* 2016;4:236.
43. Ginneken VV. The urgent compelling need to swap on a global scale from indirect mouse calorimetry (imc) towards direct mouse calorimetry (dmc) in determining the basal metabolic rate (bmr): a principle of proof study. *Anat Physiol.* 2016;6:223.
44. Serra MC, et al. Reduced resting metabolic rate in adults with hemiparetic chronic stroke. *J Neurol Neurophysiol.* 2015;6:341.
45. Naeini EE, et al. The effectiveness of stress management training on hardiness in patients with breast cancer. *Abnorm Behav Psychol.* 2016;2:115.
46. Hara F, et al. Randomized, optimal dose finding, phase ii study of tri-weekly nab-paclitaxel in patients with metastatic breast cancer (abroad). *J Clin Trials.* 2016;6:267.
47. Lagiou M, et al. Molecular analysis of rassf1 gene methylation and mrna expression in sporadic breast cancer. *Clin Med Biochemistry Open Access.* 2016;2:118.
48. Bila A and Gramatiuk. To compare the mitochondrial complex between metastasis breast cancer and patients with breast cancer and hepatitis c virus. *J Women's Health Care.* 2016;S5:315.
49. Kinoshita S, et al. Clinicopathological assessment of patients with locally advanced breast cancer with 10 or more lymph node metastases. *Breast Can Curr Res.* 2016;1:107.
50. Hurton S, et al. Are quality indicators associated with postoperative outcomes after resection for pancreatic adenocarcinoma? *Pancreat Disord Ther.* 2016;5:175.
51. McCabe S, et al. Watershed hepatocellular carcinoma – utility of cone beam ct for transcatheter therapy and case report. *J Liver.* 2016;5:198.
52. Phattarataratip E et al. Carcinoma in situ arising in the oral lichenoid lesion-an unusual case report. *J Med Surg Pathol.* 2016;1:133.
53. Lee JH, et al. Commentary on sclerosing mucoepidermoid carcinoma with eosinophilia of thyroid glands. *J Med Surg Pathol.* 2016;1:132.
54. Xue L and Bodzin AS. Liver transplantation for hepatocellular carcinoma: a time to push forward. *J Clin Exp Transplant.* 2016;1:e102.
55. Karatas M, et al. Analysis of gaucher disease responsible genes in colorectal adenocarcinoma. *J Biom Biostat.* 2016;7:314.