1.12 Management of obesity in the perioperative period

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Obesity Prevalence by Year (England)



NHS Digital Statistics on Obesity, Physical Activity and Diet, England, 2020







Suggested data to collect

	Standards	Measures
Peri-operative r of the obese surgi	Operating lists ² and medical records should include the patients' weight and BMI.	 Proportion of pre-operative assessment and/or operating lists that includes the patients' weight and BMI.
		 Grade of most senior anaesthetic and surgical staff seeing patient pre-operatively & in theatre.
	Specialised equipment to assist in the safe management of obese patients (including properly fitting anti- embolism stockings ⁴). Requirements should be included in the pre-operative team brief to ensure availability of specific equipment and staff. ²	Availability of and compliance with local protocol and lists or 'obesity packs' ² that outline equipment specific for the obese patient and their location in all theatre complexes; staff training compliance; proportion of cases in which specific requirements were discussed at WHO team brief.

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Screening for SDB.² High index of suspicion in patients with BMI >30. Routine use of STOP-BANG questionnaire should be used for screening; scores >3, should be pre-operatively assessed by a clinician, to risk stratify, plan further investigations and management.

Appropriate prophylaxis against VTE and early mobilisation.²

- Proportion of obese patients 1) screened for OSA;
 2) assessed by a clinician for OSA and 3) managed according to risk stratification.
- 100% patients should be risk assessed for VTE and receive prophylaxis as per local protocol and receiving correct dose of pharmacological prophylaxis; compliance with enhanced recovery protocols eg time to mobilisation.

Quality improvement methodology

Preoperative record of patient's weight and BMI

Can entering weight and BMI become a mandatory part of the ward pre-operative checklist/theatre booking form? When/where is it most helpful to record this?

Specialist equipment and staff trained to care for the obese patient

Map the process for the pre-operative assessment team to inform the appropriate department(s) about specialist equipment are there steps that are unreliable or onerous? Can the process be simplified or automated? Could you do a 'check and challenge' drill or simulation of where to find specific guidelines or equipment?

Screening for sleep-disordered breathing

Map the pre-operative assessment pathway – is the process to screen, identify, refer, assess and investigate for OSA simple and reliable? Are there multiple modalities to investigate for OSA? Look at a series of cases - how long does the entire process take? Are there any common features that can be improved on or steps made simpler or quicker? Are there sufficient resources (availability of clinician/sleep study slots) to support this pathway?

Mapping

ACSA standard: 1.1.3.4

Curriculum competences: OA_BK_07, OA_BK_08, IG_BK_03, PO_BK_11, GU_BK_11, PB_BK_88, EN_BK_03, DS_IS_01, AM_IK_08, EN_IK_04, PC_IK_18

CPD matrix code: 3A13

GPAS 2020: 2.3.22, 2.3.23, 2.3.24, 2.3.25, 2.3.26, 2.5.10, 2.5.16, 2.5.19, 3.2.18, 3.3.3, 3.3.4, 3.3.5, 3.3.6, 3.3.7, 4.3.24, 4.3.25, 5.3.15, 5.3.16, 5.3.17

STANDARD

1.1.3.4 There is a policy for the management of morbidly obese patients.

EVIDENCE REQUIRED

A copy of the policy should be provided. The policy should outline local processes and equipment available for the treatment of morbidly obese patients, in line with national guidance.

PRIORITY

1

CQC KLoEs

Safe; responsive

HIW Domains

Safe and effective care

HIS Domains

Safe, effective and person-centred care delivery; policies, planning and governance

GPAS REFERENCES

- **3.3.3** Every hospital should nominate an anaesthetic lead for obese patients undergoing surgery.
- 3.3.4 Medical records should include the patients' weight and body mass index (BMI).
- **3.3.5** The safe movement and positioning of obese patients may require additional staff and specialised equipment. An operating table, hoists, beds, positioning aids and transfer equipment appropriate for the care of obese patients should be available and staff should be trained in its use. Additional members of staff should be available where necessary and manual handling should be minimised where possible.
- **3.3.6** Specialist positioning equipment for the induction of anaesthesia and intubation in the morbidly obese should be available.
- 3.3.7 There should be a policy for the clinical and technical management of the obese patient.
- 5.3.15 An operating table, hoists, beds, positioning aids and transfer equipment appropriate for the care of bariatric patients should be available and staff should be trained in its use.
- 5.3.16 Specialist positioning equipment for the induction of anaesthesia and intubation in the morbidly obese patient should be available.