Conclusions There is moderate quality evidence that oral olanzapine increases freedom from nausea and vomiting in adults undergoing chemotherapy for solid tumours. There is uncertainty whether it increases serious adverse events. It may increase the likelihood of other adverse events and probably increases somnolence and fatigue. There is uncertainty about the relative benefits and harms of lower (5 mg) and higher (10 mg) doses.

144 EVALUATION OF EXISTING PRACTICE: DENOSUMAB FOR HYPERCALCAEMIA OF MALIGNANCY

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Methods We constructed an online survey informed by a targeted literature review. The survey was disseminated electronically to all consultants in the North East regional palliative care physicians’ group. An email reminder was sent after 7 weeks. The survey was closed after 8 weeks.

Results There were 28 respondents out of a possible 34. Eleven (39.3%) had used Denosumab for HoM. Of these, all used Denosumab for bisphosphonate refractory hypercalcaemia. There was some experience where bisphosphonates were contraindicated due to renal impairment. One patient was administered Denosumab at home. Four respondents used Denosumab in repeated doses for the same patient. Eight respondents reported that Denosumab successfully reduced serum calcium; three reported ‘sometimes’. Doses varied between 60 mg and 120 mg.

All consulted with another specialty (oncology 90.9%) prior to using Denosumab. There was high variability in the duration to re-test serum calcium. Two respondents encountered hypocalcaemia. There were no other adverse effects reported.

Conclusions Our results describe regional experience in the use of Denosumab. There was a wide variation in dosing and monitoring practices. The development of evidence-based guidance is strongly recommended.

145 WHAT OUTCOMES ARE IMPORTANT IN A DRUG TRIAL FOR CHRONIC BREATHLESSNESS AND ARE WE CAPTURING CHANGE?

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Background Chronic breathlessness is common, distressing and remains a challenging to assess and treat. New treatments are emerging, but must be evaluated using appropriate outcomes that reflect the concerns of people experiencing the symptom.

Aim To determine which outcomes are important to patients with chronic breathlessness, and the ability of outcome measurement tools to capture change during a drug treatment trial.

Methods Mixed-methods analysis of a multi-centre randomised double-blind feasibility trial of mirtazapine (ISRCTN registration 33236160). Quantitative outcome measures: numerical rating scale (NRS) for worst breathlessness in the last 24 hours, and chronic respiratory questionnaire (CRQ) were paired to in-depth qualitative data from interviews exploring outcomes of importance within the trial. Qualitative data was analysed thematically and quantitative data analysed according to the standard guidance for each questionnaire. The combined analyses were then triangulated, drawing upon a model of total breathlessness.

Results Paired data were available for 22 of 64 participants in the trial (data collected August 2016-December 2017). 16/22 (73%) were male; median (range) age 72 (57–85) years. Primary diagnoses were chronic obstructive pulmonary disease 10/22 (45%), interstitial lung disease 9/22 (41%), chronic heart failure 2/22 (9%) and lung cancer 1/22 (4%). Participants described outcomes of importance encompassing physical, social, emotional and spiritual domains. For many, perceived changes described during qualitative interview were consistent with changes in both NRS and CRQ scores. This was despite some participants expressing difficulties aligning an experience of breathlessness when completing scale for scale-based questionnaires.

Conclusions The main concerns described by participants in a drug trial for chronic breathlessness cross multiple health domains supporting a model of total breathlessness and the inclusion of multi-domain measures within trials. The agreement between paired qualitative and quantitative data indicates that both the NRS and CRQ outcome measures capture changes described by participants appropriately, and are suitable to use in definitive trials.

146 A CLUSTER RANDOMISED FEASIBILITY TRIAL (CRTT) TO TEST THE ROUTINE USE OF THE NEEDS ASSESSMENT TOOL: CANCER (NAT:C) IN PRIMARY CARE TO REDUCE UNMET PATIENT AND CARER NEEDS AND DETERMINE THE FEASIBILITY OF A DEFINITIVE TRIAL

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Methods A Cluster randomised trial consisting of two arms: one intervention, one control. The intervention group = intervention arm; the care received by the control group = usual care. In the intervention group, the Cancer Needs Assessment Tool (NAT:C) was introduced to the practice nurse, the Practice Nurse used the tool to assess the patient/carers needs, and then linked them to appropriate support. The control group continued with usual care. The primary outcome was the proportion of patients/carers who have their needs met.

Results A total of 257 patients were identified as potentially eligible to take part in the trial. Of these, 126 patients met the eligibility criteria and were randomised. The intervention group included 68 patients and the control group included 58 patients. The proportion of patients/carers who have their needs met was not significantly different between the groups (p = 0.61).

Conclusions The feasibility of the trial was met, and the results provide evidence to support the development of a definitive trial.