Editorial

What do we know about long-term treatment outcomes for severe depressive disorders?
Rebecca Strawbridge, Tanja Jaeckle and Anthony J. Cleare

Summary
In a recent issue of BJPsych Open, McPherson & Hengartner (see https://doi.org/10.1192/bjo.2019.65) reviewed 11 trials examining psychological and pharmacological treatment outcomes for chronic or treatment-resistant depression. They concluded that when assessed in the long term, antidepressants become less effective whereas psychological therapies become more effective. We argue that the evidence does not support this; indeed, most of the studies reviewed do not directly compare antidepressant with psychological therapy treatments and there is little consistency between them in terms of populations and interventions examined. The issue of long-term outcomes is key for optimising clinical guidelines and deserves more intensive research and scrutiny to improve patient response in routine practice.

Declaration of interest
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Keywords
Depressive disorders; antidepressants; psychosocial interventions; clinical guidelines; patient outcomes.

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Short-term gains, long-term consequences
Following appeals to prioritise long-term care policies as essential for improving the health and quality of life of patients with chronic conditions, the National Health Service (NHS) has recently published a long-term care plan that includes proposals for mental illnesses.1 As yet, short-term thinking in healthcare has dominated and constraints faced in adopting long-term strategies within the NHS have been described as an ‘apparently intractable’ policy challenge.2

Short-term treatments for depression; psychological and pharmacological
Acute treatment of major depressive disorder (MDD) with antidepressants has been the subject of numerous reviews (including meta-reviews), meta-analyses, editorials and media discussion.3,4 Psychological therapies have received less attention but meta-analyses find them equally effective to antidepressant medication for reducing mild-to-moderate depressive symptom severity.5 Meta-analyses and systematic reviews report poorer tolerability (side-effects, adverse events or harms) for pharmacological treatments6 but conclusions are severely limited by the virtual absence of adverse-event reporting in psychotherapy trials.6 This represents one of many challenges to achieving a valid comparison between these two intervention types. There are also major issues with some control groups used in psychological therapy trials, such as waiting list control, which are nocebo rather than placebo conditions and inflate observed effect sizes,7 especially because patients cannot be masked to whether they are receiving a treatment or control in most trials. Recently, it has been proposed that clinical trials of psychological therapies report greater effects than are observed in routine care partly because of increased clinician motivation and allegiance effects that are not customarily reported, unlike pharmacological trials.8

How to treat chronic or treatment-resistant depression
Recovery from depression often is not straightforward with many patients either not seeking/receiving timely intervention, experiencing persistent symptoms despite treatment or developing recurrent symptoms after successful treatment. Thus, interventional research should assess long- as well as short-term outcomes, particularly for more complex or severe depressive disorders.

Treatment switching, augmenting and combining pharmacological and psychological interventions are the primary evidence-based strategies recommended for depression that is chronic (usually defined as an episode duration of ≥2 years) and/or treatment-resistant depression (TRD, usually defined as depression unresponsive to adequate courses of ≥2 distinct treatments).1,9 There is convincing evidence that combined psychological and pharmacological therapy elicits a better treatment response than either monotherapy.10 Augmentation with a range of pharmacological or psychological interventions also leads to improvement
for patients with TRD, although a recent meta-analysis identified just 28 augmentation randomised trials for TRD, of which only 3 assessed psychological therapies.11 This evidence, too, focuses on short-term treatment outcomes.

Long-term treatment outcomes

Across the literature, long-term follow-up studies after treatment discontinuation are rare despite their evident clinical importance, particularly for chronic depression and TRD. This lack of focus on long-term treatment follow-up was discussed, in a recent issue of BJPsych Open, by McPherson & Hengartner in the commentary ‘Long-term outcomes of trials in the National Institute for Health and Care Excellence depression guideline’.12 Here, the authors sought studies assessing treatments for chronic depression or TRD with a follow-up assessment after treatment end-point, extracted from the National Institute for Health and Care Excellence’s (NICE’s) addendum appendices.9 It appears that trials were only considered if follow-up was assessed ≥6 months after treatment end-point with both pharmacological and psychological intervention, although the precise criteria for consideration were not explicit. McPherson & Hengartner calculated effect sizes from 11 randomised trials, concluding that psychological therapies become more effective whereas antidepressants become less effective over the long term. The present article also considers the evidence from these 11 trials to scrutinise their interpretations and conclusions.

The examination of this issue is potentially important for real-world patient and clinician experiences, as McPherson & Hengartner aim to ‘illustrate how NICE could make use of this evidence’.12 If their conclusions are to be considered in updating current clinical guidelines, any methodological shortcomings should be subject to inspection.

Summary of findings from 11 trials assessing long-term outcomes for chronic depression and TRD

In almost half (5 of 11 trials), all patients continued an ongoing antidepressant with some receiving additional psychological therapy (2 of which enhanced treatment as usual for both active and control groups with clinical management13 or self-management materials14); of these 5 trials assessing five different therapies, 1 found no significant benefits of psychological therapy,14 whereas others report greater improvements in the psychological therapy group either at end-point only,15 long-term follow-up only,16 both time points17 or on selected outcomes (remission at end-point and relapse prevention at follow-up, both reporting small effect sizes).13 Two further trials randomised patients to receive a new antidepressant with or without interpersonal psychotherapy (IPT), with both small studies finding overall benefits of combination treatment that did not always reach statistical significance when assessed between groups.18,19 Another two trials compared two different non-pharmacological interventions, one reporting no between-group differences20 and the other finding benefits of mindfulness-based cognitive therapy over group psychoeducation at end-point and follow-up.21

The final two studies randomised patients to monotherapeutic antidepressant treatment or psychological therapy or the combination, with one finding somewhat less improvement for patients randomised to monotherapeutic psychological therapy at end-point and follow-up22 and the other reporting no between-group differences.23 In the latter trial, participants were in fact randomised to antidepressant treatment or psychological therapy and combination treatment if not responding after 8 weeks. These are the only two trials directly comparing antidepressant treatment and psychological therapy effectiveness, which is noteworthy when considering McPherson & Hengartner’s conclusions.12

Note that to simplify the above description of inconsistent findings from the 11 methodologically distinct trials, we do not always report the specific interventions or populations studied in each (see Table 1).13,23 The only intervention assessed in >2 studies was IPT, which did not yield consistent findings across trials. In fact, if employing the most common criteria for chronic depression and TRD, only two trials would be included (one TRD,16 two chronic depression16,18), which reported different findings from different study designs.

We also focus on between-group differences. If considering within-participant change, the trials together suggest approximate maintenance of symptoms for patients taking continuation antidepressants.13,15,16 For new antidepressant treatment commenced, an improvement is seen during intervention periods18,19,22 with some reports of continued improvement during follow-up periods18,23 For commencing a new psychological therapy, results are variable: during the intervention period, some improvements were observed for partially remitted dysthymic patients undertaking cognitive–interpersonal group therapy or cognitive therapy that did not appear to continue after end-point,13,15 mindfulness-based cognitive therapy and cognitive–behavioural therapy yielded pronounced improvements in symptoms for those with early-stage TRD that showed very slight continued improvement after end-point17,21 whereas long-term psychoanalytic psychotherapy yielded minor benefits that became more pronounced over 2 years after end-point.16 Cognitive–behavioural analysis system of psychotherapy and IPT were more widely examined, with mixed findings regarding their effectiveness both during and after therapy completion.16,20,22,23 The most consistent finding was that combination psychological therapy and antidepressant treatment was beneficial both at end-point and at long-term follow-up.20,22

Interpreting the data on long-term outcomes

First and foremost, we find extremely limited data directly comparing antidepressant treatment and psychological therapy treatment effects on long-term outcomes for chronic depression or TRD. In contrast to McPherson & Hengartner,12 we observe no evidence that treatment with antidepressants become less effective over time and minimal indications that psychological therapies become more effective in the long term, although symptom levels appear to be retained. Previous evidence has supported the sustained effectiveness of therapies where patients are taught to adopt therapy techniques in independently managing their condition after treatment end (essentially becoming their own therapist).22 However, minimal conclusions can be drawn from these 11 studies, partly because of the differences in design and methodology, patient populations and interventions examined. A clear issue is that the majority of trials were comparing an enhancement to treatment versus continuation/usual care.

We wish to highlight four key points that could hinder the scientific interpretability of these long-term outcome studies:

(a) The constructs of chronic depression and TRD are considered as unified and incorporate patients not meeting standard criteria for either. It is worth illustrating that standardised definitions of chronic depression (episode duration ≥2 years) and TRD (non-response to ≥2 treatments in the current episode) are not consistently employed; NICE even report a minimum episode duration in TRD studies as less than 2 weeks, which
### Table 1: Trial methodology and results

| Study | Population | ITT? | Masking? | Design | Arm | Baseline severity | Short-term outcome severity | Long-term outcome severity | Between-group difference summary |
|-------|------------|------|----------|--------|-----|-------------------|-----------------------------|---------------------------|--------------------------------|
| Hellerstein et al13 | Dyshymia, > partial response to 8-week AD | mITT | Unmasked | A)C vs A)C + GCP (16 sessions, 16 weeks) | A)C + GCP n = 19 A)C n = 18 | HRSD: 6 (remitted) HRSD: 8 (mild) | HRSD: 3 (remitted) HRSD: 6 (remitted) | HRSD: 7 (remitted) HRSD: 8 (mild) | End-point (week 16): PT group greater response |
| Wiles et al17 | Early-stage TRD (non-response to 6-week AD) | ITT | Unmasked | TAU versus individual CBT + TAU (12–18 sessions) | CBT + TAU n = 234 TAU n = 235 | BDI: 32 (severe) BDI: 25 (moderate) | BDI: 19 (mild) BDI: 22 (moderate) | BDI: 17 (mild) BDI: 6 (remitted) | Follow-up (week 28): NS |
| Forany et al15 | TRD (non-response >2 AD/PT current episode) + CD (2-year episode) | ITT Interviewer-masked | TAU versus TAU + LTPP (60 sessions over 18 months) | LTPP + TAU n = 67 TAU n = 62 | HRSD: 20 (moderate) HRSD: 18 (moderate) | HRSD: 16 (mild) HRSD: 18 (mild) | HRSD: 15–17 (mild to moderate) HRSD: 18–20 (moderate) | END-POINT (6 month) and follow-up (12 month): greater improvement in PT group NS group differences emerged until follow-up (from month 24 to final follow-up at month 42) |
| Paykel et al13,14 | Partial response to 8-week AD, 25% dysthyemia | ITT Interviewer-masked | ADc + CM versus ADc + CM + CT (16 sessions, 20 weeks + 2 booster) | ADc + CT + CM n = 80 ADc + CM n = 78 | HRSD: 12 (mild) HRSD: 9 (mild) | HRSD: 9 (mild) HRSD: 9 (mild) | HRSD: 9 (mild) HRSD: 9 (mild) | End-point (week 20): More CT group remitted Follow-up (week 68): Less relapse CT group End-point (6 month) and follow-up (12 month): NS between-group differences |
| Valenstein et al14 | Early-stage TRD (non-response >1 AD/PT in year) | No | NR | TAU + SM/M versus TPS + TAU + SM/M (6 months) | TPS + SM/M + TAU n = 144 SMM + TAU n = 243 | BDI: 25 (moderate) BDI: 18 (mild) | BDI: 18 (mild) BDI: 17 (mild) | BDI: 17 (mild) BDI: 17 (mild) | End-point (week 5): Greater response in PT group Follow-up (12 month): NS |
| Schramm et al15 | CD (2-year episode) | ITT Interviewer-masked | adapted IPT + AD versus AD + CM (5 weeks) | AD + IPT n = 24 AD + CM n = 21 | HRSD: 26 (severe) HRSD: 14 (mild) | HRSD: 10 (mild) HRSD: 6 (remitted) | HRSD: 11 (mild) | End-point (week 5): Greater response in PT group Follow-up (12 month): NS |
| de Mello et al16,17 | Dyshymia | No | Interviewer-masked | MOC versus MOC + IPT (16 sessions, 16 weeks + 6 maintenance) | MOC + IPT n = 16 MOC n = 19 | HRSD: 25 (severe) HRSD: 26 (severe) | HRSD: 4 (remitted) HRSD: 8 (mild) | HRSD: 3 (remitted) HRSD: 8 (mild) | End-point and follow-up (<48 weeks): each time point NS between group, but overall greater improvement for PT group |
| Browne et al15 | Dyshymia | ITT | Interviewer-marked | SER versus IPT (10 sessions) versus combination | SER + IPT n = 212 SER n = 196 | MADRS: 26 (moderate) MADRS: 15 (mild) | MADRS: 15 (mild) MADRS: 15 (mild) | MADRS: 15 (mild) MADRS: 15 (mild) | End-point (6 months) and follow-up (1/2 year): IPT group less improved than others NS between-group differences |
| Schramm et al15 | CD (2-year episode) or rMD | ITT Interviewer-masked | CBASP (22 sessions) versus CM + ESC versus combination | CBASP n = 17 | CBASP n = 17 | CBASP n = 17 | CBASP n = 17 | CBASP n = 17 | CBASP n = 17 |
| Schramm et al15 | CD, dysthyemia or rMD | ITT Interviewer-masked | CBASP versus IPT (both 22 sessions, 16 weeks) | CBASP n = 15 IPT n = 15 | HRSD-24: 23 (moderate) HRSD-24: 23 (moderate) | HRSD-24: 20 (moderate) HRSD-24: 19 (moderate) | HRSD-24: 19 (moderate) | End-point (16 week) and follow-up (12 month): NS between-group differences |
| Chiesa et al19 | Early-stage TRD (incomplete response 8-week AD) | mITT Interviewer-masked | 8 sessions group MBCT + ADc versus group psychosocialization (GPE) + ADc | A)C + MBCT n = 26 A)C + GPE n = 24 | HRSD: 17 (moderate) HRSD: 16 (moderate) | HRSD: 10 (mild) HRSD: 14 (mild) | HRSD: 8 (mild) | End-point (8 week) and follow-up (6 month): greater response MBCT group |

AD, antidepressant medication; ADc, continuation antidepressant; BDI, Beck Depression Inventory; CBASP, cognitive-behavioural analysis system of psychotherapy; CBT, cognitive–behavioural therapy; CD, chronic depression; CIGP, cognitive-interpersonal group therapy for chronic depression; CM, clinical management; CT, cognitive therapy; ESC, escitalopram; GP, group psychosocialization; HRSD, Hamilton Rating Scale for Depression (17 item unless otherwise stated); IPT, interpersonal therapy; ITT, intention-to-treat; LTPP, long-term psychoanalysis; psychotherapy; MADRS, Montgomery–Åsberg Depression Rating Scale; MBCT, mindfulness-based cognitive therapy; mITT, modified ITT; MOC, moclobemide; NS, not reported; NR, not significant; PT, psychological therapy; rMD, recurrent depression; SER, sertraline; SM/M, self-management materials; TAU, treatment as usual; TPS, telephone peer-support; TRD, treatment-resistant depression.

a. Where clinician- and patient-rated scores are reported, we use clinician-rated by preference. Severity categories are provided using standardised cut-off scores. Please refer to McPherson and Hengartner’s table (https://doi.org/10.1192/bjo.2019.65)12 for further information including sample size (this information not reported here so as to prioritise other data).
b. Fewer patients in CBT + TAU had been taking current antidepressant treatment ≥12 months than TAU, less likely to have had ≥5 previous major depressive episodes, which could partially explain the large effect sizes in the CBT group.
c. At 24, 30 and 42 months both groups averaged between mild and moderate depression severity according to the HRSD scores, each significant between groups: mean scores at each: 24 months LTPP 15, TAU 18; 30 months LTPP 17, TAU 19; 42 months LTPP 19, TAU 22.
d. Primary aim and outcome of the trial was relapse rather than remission/response.
e. The large effects observed are in the context of being the only trial that undertook completer-only analysis in the presence of frequent trial drop-out, unrepresentative and small number of patients reported.
f. Although the HRSD was not administered at follow-up, the BDI scores between treatment end-point and follow-up were similar (mild/moderate severity), suggesting a maintenance of effect in both groups: end-point mean CBASP 11, IPT 21; 12-month follow-up mean CBASP 12, IPT 19.
cannot indicate treatment resistance. Across the 11 studies, only 2 assess patients with established chronic depression or TRD; others recruited partially remitted participants, those with dysthymia or recurrent MDD, or a mixture. These population differences likely affect the magnitude and durability of treatment responses.11

(b) McPherson & Hengartner primarily present data from the 11 studies in a table that provides limited interpretability of key methodology and findings. Whereas our alternative reporting (Table 1) suffers its own limitations, it attempts to aid interpretation by presenting depressive symptom scores in each treatment arm throughout each trial, detail regarding populations studied, indicators of bias risk (i.e. masking, intention-to-treat analyses) and a summary of results reported by original articles.

(c) Many key factors were not considered in drawing conclusions from this data. These include, but are not limited to, baseline depression severity (which affects definitions of treatment response; in three trials, patients were only mildly depressed), type of analysis (i.e. only analysing trial completers in the presence of substantial participant drop-out15), the absence of patient masking to psychological interventions, the frequent lack of masking outcome assessors,16,17 sample size (six trials randomised n < 60 participants), different treatment (and follow-up) durations between trials, and the type of outcome assessment used (some trials only assess patient-rated symptom severity, which may overestimate effectiveness indications relative to clinician-rated symptoms, especially in those trial designs where patients are unmasked to treatment arm). The relative effectiveness of antidepressant treatment versus psychological therapy treatments cannot be determined because of heterogeneous trial design: since all trials randomised patients to ≥1 psychological therapy, which were often compared with continuation treatment or other psychological therapies, there is little scope to compare these treatment categories. Only two trials directly compared psychological therapy and antidepressant treatment monotherapies (in addition to combination therapy) of which one reported reduced response to psychological therapy monotherapy than other arms, and the other identified no significant between-group differences. McPherson & Hengartner concede that some of these factors limit the comparability of antidepressant treatment and psychological therapy trials but do not account for any of these biases in tabulating findings or making conclusions.

(d) If we are to compare either the benefits or harms of psychological and pharmacological treatments, the broader limitations to comparing the two should be considered (as described earlier in this article). These include reporting of side-effects or adverse events, which are reported either minimally, or inconsistently between treatment types, within these 11 trials.

We agree that long-term outcomes surely need to be prioritised in interventional trials for complex and severe depressive disorders and thank McPherson & Hengartner for their work in emphasising this area of unmet need. We hope that this work stimulates improved future studies, and indeed work is ongoing, for example, to trial long-term outcomes of augmentation medications for TRD.25 We keenly await updated guidelines to assist practicing clinicians in managing these conditions.

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Conclusions

We highlight that the trials considered were not derived from a systematic review and have not been subject to a formal risk-of-bias assessment, although we assess quality through some parameters presented in Table 1 and the text above. For the reasons discussed, few conclusions can be drawn from this synthesis, limiting the implications of this work. However, the consistent finding across studies was that patients experienced a degree of improvement between baseline and short-term outcome, and that between short- and long-term outcome measurement symptom severity is largely maintained (and in some cases improved further).

References

1 NHS. NHS Long Term Plan. NHS, 2019. Available from: https://www.longtermplan.nhs.uk/wp-content/uploads/2019/08/nhs-long-term-plan-version-1.2.pdf
2 Henwood M. The UK’s Problem with Long-Term Care: Short-Term Thinking. British Politics and Policy Blog, 2017. Available from: http://blogs.lse.ac.uk/politicalscandpolicy/
3 Cipriani A, Geddes JR, Furukawa TA, Barbui C. Metareview on short-term effectivenss and safety of antidepressants for depression: an evidence-based approach to inform clinical practice. Can J Psychiatry Rev r 2007 Sep; 52: 553–62.
4 Cipriani A, Furukawa TA, Salanti G, Chaimani A, Atkinson LZ, Ogawa Y, et al. Comparative efficacy and acceptability of 21 antidepressant drugs for the acute treatment of adults with major depressive disorder: a systematic review and network meta-analysis. Lancet 2018; 391: 1357–66.
5 Amick HR, Gartlehner G, Gaynes BN, Forneris C, Asher GN, Morgan LC, et al. Comparative benefits and harms of second generation antidepressants and cognitive behavioral therapies in initial treatment of major depressive disorder: systematic review and meta-analysis. BMJ 2015; 351: h6019.
6 Jonsson U, Alale J, Parling T, Amberg FK. Reporting of harms in randomized controlled trials of psychological interventions for mental and behavioral disorders: a review of current practice. Contemp Clin Trials 2014; 38: 1–8.
7 Cleare A, Pariente CM, Young AH, Anderson IM, Christmas D, Cowen PJ, et al. Evidence-based guidelines for treating depressive disorders with antidepressants: a revision of the 2008 British Association for Psychopharmacology guidelines. J Psychopharmacol 2015; 29: 459–525.
8 Cuijpers P, Cristea IA. How to prove that your therapy is effective, even when it is not: a guideline. Epidemol Psychiatr Sci 2016; 25: 428–35.
9 National Institute for Health and Care Excellence. Depression in Adults: Treatment and Management. NICE, 2017.
10 Cuijpers P, Noma H, Koyanagi E, Vinkers CH, Cipriani A, Furukawa TA. A network meta-analysis of the effects of psychotherapies, pharmacotherapies and their combination in the treatment of adult depression. World Psychiatry 2020; 19: 92–107.
11 Strawbridge R, Carter B, Marwood L, Bandelow B, Tsapokos D, Nikolova VL, et al. Augmentation therapies for treatment-resistant depression: systematic review and meta-analysis. Br J Psychiatry 2019; 214: 42–51.
12 McPherson S, Hengartner M. Long-term outcomes of trials in the National Institute for Health and Care Excellence depression guideline. Br J Psychiatry Open 2019; 5: e81. Available from: https://doi.org/10.1192/bjo.2019.65.
13 Paykel ES, Scott J, Teasdale JD, Johnson AL, Garland A, Moore R, et al. Prevention of relapse in residual depression by cognitive therapy: a controlled trial. Arch Gen Psychiatry 1999; 56: 829–35.
14 Valenstein M, Pfeiffer PN, Brandon S, Walters H, Ganczcy D, Kim HM, et al. Augmenting ongoing depression care with a mutual peer support intervention versus self-help materials alone: a randomized trial. Psychiatr Serv 2016; 67: 236–9.
15 Hellerstein DJ, Little SA, Samstag LW, Batchelder S, Muran JC, Fedak M, et al. Adding group psychotherapy to medication treatment in dysthymia: a randomized prospective pilot study. J Psychother Pract Res 2001; 10: 93–103.
16 Fonagy P, Rost F, Carlyle J-A, Mcpherson S, Thomas R, Fearon RPM, et al. Pragmatic randomized controlled trial of long-term psychoanalytic psychotherapy for treatment-resistant depression: the Tavistock Adult Depression Study (TADS). World Psychiatry 2015 Oct; 14: 312–21.
17 Wiles N, Thomas L, Abel A, Rodgway N, Turner N, Campbell J, et al. Cognitive behaviour therapy as an adjunct to pharmacotherapy for primary care based patients with treatment resistant depression: results of the CoBalT randomised controlled trial. Lancet 2013; 381: 375–84.
18 Schramm E, Schneider D, Zobel I, van Calker D, Dykerek P, Kech S, et al. Efficacy of interpersonal psychotherapy plus pharmacotherapy in chronically depressed inpatients. J Affect Disord 2008; 109: 65–73.
19 de Mello MF, Myczkowski JM, Menezes PR. A randomized controlled trial comparing moclobemide and moclobemide plus interpersonal psychotherapy in the treatment of dysthymic disorder. J Psychother Pract Res 2001; 10: 117–23.
20 Schramm E, Zobel I, Dykerek P, Kech S, Brakemeier E-L, Küh A, et al. Cognitive behavioral analysis system of psychotherapy versus interpersonal psychotherapy for early-onset chronic depression: a randomized pilot study. J Affect Disord 2011 Mar; 129: 109–16.
21 Chiesa A, Castagner V, Andrisano C, Serretti A, Mandelli L, Porcelli S, et al. Mindfulness-based cognitive therapy vs. psycho-education for patients with major depression who did not achieve remission following antidepressant treatment. Psychiatry Res 2015; 226: 474–83.
22 Browne G, Steiner M, Roberts J, Gafni A, Byrne C, Durn E, et al. Sertraline and/or interpersonal psychotherapy for patients with dysthymic disorder in primary care: 6-month comparison with longitudinal 2-year follow-up of effectiveness and costs. J Affect Disord 2002; 68: 317–30.
23 Schramm E, Zobel I, Schoepf D, Fangmeier T, Schnell K, Walter H, et al. Cognitive behavioral analysis system of psychotherapy versus escitalopram in chronic major depression. Psychother Psychosom 2015; 84: 227–40.
24 Andersson G, Rozental A, Shafran R, Carlbring P. Long-term effects of internet-supported cognitive behaviour therapy. Expert Rev Neurother 2018; 18: 21–8.
25 Marwood L, Taylor R, Goldsmith K, Romeo R, Holland R, Pickles A, et al. Study protocol for a randomised pragmatic trial comparing the clinical and cost effectiveness of lithium and quetiapine augmentation in treatment resistant depression (the LQD study). BMC Psychiatry 2017; 17: 231.