Table H-13. Findings on other approaches for ADHD

| **Study****(Companion)****N****Qualitya****Design****Age Categoryb** | **Intervention** | **Comparison** | **Follow-up Times** | **Findings–Intervention** | **Findings–Comparison** | **Between group P value** |
| --- | --- | --- | --- | --- | --- | --- |
| **Academic performance** |
| Evans, 201677326FairRCTb | Challenging Horizons Program–after school version  | Challenging Horizons Program–mentoring versionCommunity Care  | 12 months | GPAMean = 2.3 | GPAMean = 2.1GPAMean = 2.1 | P= 0.146  |
| Mautone, 20127861FairRCTc | Family-School Success-Early Elementary | Coping with ADHD through Relationships and Education  | 12 weeks2 months post-12 weeks | Academic Competence Evaluation Scales scoreMean = 3.38 (SD = 0.57)ACES scoreMean = 3.39 (SD = 0.48) | Academic Competence Evaluation Scales scoreMean = 3.11 (SD = 0.5)ACES scoreMean = 3.25 (SD = 0.66) | NRNR |
| Power, 201279199FairRCTb | Family School Success Therapy | Coping With ADHD Through Relationships and Education | 3 months6 months | Academic Performance Rating ScaleMean = 3.32 (SD = 0.65)Mean = 3.51 (SD = 0.64) | Academic Performance Rating ScaleMean = 3.2 (SD = 0.68)Mean = 3.36 (SD = 0.76) | NSNS |
| **Behavior changes** |
| Abikoff, 201580164GoodRCTa | New Forest Parenting Package | Helping the noncompliant childControl | 6.8 months | Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - TotalMean = 68.01 (SD = 11.69)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - InattentionMean = 65.60 (SD 13.53)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - HyperactivityMean = 68.08 (SD 10.69)Behavior changes-Conners Teachers Rating Scale Revised Scale-Revised - TotalMean = 64.27 (SD = 12.27)Behavior changes-Conners Teacher Rating Scale Revised Scale-Revised - InattentionMean = 61.39 (SD = 13.58)Behavior changes-Conners Teacher Rating Scale Revised Scale-Revised - HyperactivityMean = 64.25 (SD = 11.64) | Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - TotalMean = 63.44 (SD = 10.13)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - InattentionMean = 61.74 (SD 10.04)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - HyperactivityMean = 63.39 (SD 10.24)Behavior changes-Conners Teachers Rating Scale Revised Scale-Revised - TotalMean = 62.06 (SD = 11.39)Behavior changes-Conners Teacher Rating Scale Revised Scale-Revised - InattentionMean = 60.48 (SD = 11.79)Behavior changes-Conners Teacher Rating Scale Revised Scale-Revised - HyperactivityMean = 62.01 (SD = 12.06)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - TotalMean = 76.44 (SD = 9.84)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - InattentionMean = 75.31 (SD 10.38)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - HyperactivityMean = 74.45 (SD 10.67)Behavior changes-Conners Teachers Rating Scale Revised Scale-Revised - TotalMean = 70.65 (SD = 11.22)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - InattentionMean = 68.22 (SD = 11.81)Behavior changes-Conners Parent Rating Scale Revised Scale-Revised - HyperactivityMean = 70.26 (SD = 11.98) | NSNSNSNSNSNSP=.001P=.001P=.001NSNSNS |
| Mohammadi, 201281(Mostafavi, 201282)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | Irritability# patients with outcome = 16Sadness# patients with outcome = 10 | Irritability# patients with outcome = 10Sadness# patients with outcome = 2 | NRNR |
| Myers, 201583223FairRCTc | Telemedicine | Usual Care + Consult | 25 weeks | Behavior changes-Vanderbilt caregiver, meeting criteria for inattentionBehavior changes-Vanderbilt caregiver, meeting criteria for hyperactivityBehavior changes-Vanderbilt caregiver, meeting criteria for CombinedBehavior changes-Vanderbilt teacher, meeting criteria for inattentionBehavior changes-Vanderbilt teacher, meeting criteria for hyperactivityBehavior changes-Vanderbilt teacher, meeting criteria for combined |  | P<.001P=.02P=.005NSP=.02P=.045 |
| Oberai, 20138461FairRCTb | Homeopathy | Placebo | 6 weeks12 weeks | CPRS-R OppositionalMean = 56.4 (SD = 7)CPRS-R Cognition ProblemsMean = 56.6 (SD = 7.4)CPRS-R HyperactivityMean = 63.7 (SD = 9.8)CPRS-R ADHD IndexMean = 58.2 (SD = 7.3)CPRS-R OppositionalMean =49.5 (9.5)CPRS-R Cognition Problems Mean = 50.7 (7.7)CPRS-R Hyperactivity Mean = 55.6 (11.9)CPRS-R ADHD Index Mean = 51.8 (9.1)Conners Parent Rating Scale – RevisedEffect size = 0.22 | CPRS-R OppositionalMean = 63.2 (SD = 8.3)CPRS-R Cognition ProblemsMean = 67.4 (SD = 5.4)CPRS-R HyperactivityMean = 78.3 (SD = 7.9)CPRS-R ADHD IndexMean = 68.3 (SD = 4.6)CPRS-R OppositionalMean = 66.2 (7.6)CPRS-R Cognition ProblemsMean = 66.6 (6.2)CPRS-R HyperactivityMean = 78.2 (6.9)CPRS-R ADHD IndexMean = 68.4 (5) | NRNRNRNRP=.0001P=.0001P=.0001P=.0001P = 0.005 |
| **Changes in appetite** |
| Mohammadi, 201281(Mostafavi82)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | Appetite score Mean = 13.26Loss of appetite# patients with outcome = 14 | Appetite score Mean = 12.33Loss of appetite# patients with outcome = 11 | P=0.755 |
| **Changes in standardized symptom scores** |
| Hong, 20158548FairRCTb | Acupuncture | Waitlist control | 1.5 months | ADHD-RS (Korean version) total scoreMean = -4.91 (SD 10.50)ADHD-RS InattentionMean w/in group change = -2.67 (SD 4.90)ADHD-RS Hyperactivity/ImpulsivityMean w/in group change = -2.26 (SD 5.50)Conners-RSMean w/in group change = -2.51 (SD 4.95)CBCL total scoreMean w/in group change = -7.79 (SD 16.69)CBCL-ADHD subscaleMean w/in group change = -1.38 (SD 3.54)CBCL-external subscaleMean w/in group change = -1.85 (SD 7.19) | ADHD-RS (Korean version) total scoreMean = -4.00 (SD 11.00)ADHD-RS InattentionMean w/in group change = -1.68 (SD 4.61)ADHD-RS Hyperactivity/ImpulsivityMean w/in group change = -2.84 (SD 4.00)Conners-RSMean w/in group change = -1.78 (SD 4.14)CBCL total scoreMean w/in group change = -3.00 (SD 25.00)CBCL-ADHD subscaleMean w/in group change = -0.64 (SD 4.36)CBCL-external subscaleMean w/in group change = -1.00 (SD 10.00) | 0.5610.2500.9560.3850.3930.2470.632 |
| Mohammadi, 201281(Mostafavi, 201282)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | ADHD RS attention scoreMean = 11.11ADHD-RS Hyperactivity scoreMean = 11.62 | ADHD RS attention scoreMean = 11.29ADHD-RS Hyperactivity scoreMean = 10.96 | P= 0.974P= 0.720 |
| Webster-Stratton, 20118699FairRCTc | Incredible Years Program | Waitlist | 5 months | CBCL-mother Attention problemsMean = 65.8 (SD = 7)CBCL Father – Attention problemsMean = 64.8 (SD = 8.6) | CBCL-mother Attention problemsMean = 68.8 (SD = 9.6)CBCL Father – Attention problemsMean = 65.8 (SD = 10) | NSNS |
| **Functional impairment**  |
| Evans, 201677326FairRCTb | Challenging Horizons Program–after school version | Challenging Horizons Program–mentoring versionCommunity Care  | 6 months post-treatment | Impairment Rating Scale- Parent report; relation to childrenMean = 1.76 (SD = 1.89)Impairment Rating Scale- Teacher report; Relation with peersMean = 1.93 (SD = 1.91) | Impairment Rating Scale- Parent report; relation to childrenMean = 1.67 (SD = 1.78)Impairment Rating Scale- Teacher report; Relation with peersMean = 1.97 (SD = 1.83)Impairment Rating Scale- Parent report; relation to childrenMean = 1.8 (SD = 1.69)Impairment Rating Scale- Teacher report; Relation with peersMean = 1.72 (SD = 1.94) | NRNSNS |
| Hong, 20158548FairRCTb | Acupuncture | Waitlist control | 1.5 months | CGI-SMean w/in group change = -0.83 (SD 1.00) | CGI-SMean w/in group change = 0.00 (SD 1.00) | 0.012 |
| Oberai, 20138461FairRCTb | Homeopathy | Placebo | 6 weeks12 weeks | CGI-SSMean = 2.9 (SD = 0.7)Clinical Global Impression Severity Scale Mean = 2.5 (0.7) | CGI-SSMean = 3.8 (SD = 0.6)Clinical Global Impression Severity ScaleMean = 4 (0.6) | NRP=.0001 |
| **Gastrointestinal symptoms** |
| Mohammadi, 201281(Mostafavi, 201282)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | Stomachache# patients with outcome = 9Nausea and vomiting# patients with outcome = 3 | Stomachache# patients with outcome = 5Nausea and vomiting# patients with outcome = 3 | NRNR |
| **Sleep disturbance** |
| Mohammadi, 201281(Mostafavi, 201282)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | Mean sleep latency (min)Mean = 17.96Total sleep (hour) Mean = 8.51SDSC sleep score Mean = 41.3Insomnia# patients with outcome = 8Sleepiness# patients with outcome = 4 | Mean sleep latency (min)Mean = 26.37Total sleep (hour) Mean = 8.27SDSC sleep score Mean = 45.5Insomnia# patients with outcome = 8Sleepiness# patients with outcome = 4 | P=0.267P= 0.197P= 0.528NRNR |
| **Tics or other movement disorders**  |
| Mohammadi, 201281(Mostafavi, 201282)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | Dyskinesias# patients with outcome = 0Tics# patients with outcome = 1 | Dyskinesias# patients with outcome = 2Tics# patients with outcome = 1 | NRNR |
| **Weight decrease**  |
| Mohammadi, 201281(Mostafavi, 201282)60FairRCTb | MPH + melatonin | MPH + placebo | 8 weeks | Weight loss# patients with outcome = 9  | Weight loss# patients with outcome = 9 | NR |

a See Methods section “Quality Assessment of Individual Studies” for definitions of quality assessment ratings.

b Age categories: a = children aged ≤6 years, b = children aged 7-17, c = children of all ages ≤17.

Abbreviations: ADHD=attention deficit hyperactivity disorder; CBCL=Child Behavior Checklist; CGI-SS= Clinical Global Impression of Severity of Suicidality; CPRS=Conners Parent Rating Scale; GPA=grade point average; SDSC=Sleep Disturbance Scale for Childre