Autism Study (Kasari)

First-stage intervention | Intermediate outcome | Second-stage intervention
---|---|---
JASP+EMT | Early Response | JASP+E MT
JASP+EMT + SGD | Slow Response | Intensified JASP+EMT
JASP+EMT + SGD | Early Response | JASP+EMT + SGD
JASP+EMT + SGD | Slow Response | Intensified JASP+EMT + SGD

Subgroups:
- A
- B
- C
- D
- E

Treatment Outset | Week 12 | Month 6
---|---|---
JASP → Joint Attention and joint Engagement
EMT → Enhanced Milieu Teaching
SGD → Speech Generating Device (e.g., an iPad or DynaVox)
ADHD (Pelham)

First-stage intervention: MED

Intermediate outcome:
- Response
- Non-Response

Second-stage intervention:
- Continue
- Augment
- Intensify

Experimental Conditions:
- Subgroups A, B, C, D, E, F

Timeline:
- Beginning of school year
- Week 8
- End of school year
RBT (Jones)

First-stage intervention

Intermediate outcome

Second-stage intervention

Experimental Conditions

- aRBt ➞ abbreviated RBT
- rRBt ➞ reduced RBT
- tRBt ➞ treatment-as-usual RBT
- eRBt ➞ enhanced RBT

early-compliant

treatment-as-usual RBT

early-non-compliant

treatment-as-usual RBT

Week 2

Outset

Delivery

Treatment

a
b
c
d
e
f
g
h
**ExTENd (Oslin)**

First-stage intervention

- NTX + Lenient Definition of non-response

Intermediate outcome

- Week 8 Responders
  - NTX
  - NTX + TDM
  - NTX
  - NTX + TDM

- Non-responders
  - CBI
  - NTX + CBI
  - CBI
  - NTX + CBI

Second-stage intervention

- Treatment Outset
  - Naltrexone (opioid antagonist)
  - Telephone Disease Management
  - Combined Behavioral Intervention
  - Lenient Definition → 5+ heavy drinking days in 1 week
  - Stringent Definition → 2+ heavy drinking days in 1 week

Week 24

- a
- b
- c
- d
- e
- f
- g
- h
REP Adaptive Implementation

First-phase intervention

At the outset

REP → Replicating Effective Programs (core components)
EF → External Facilitator (external to the site)
IF → Internal Facilitator (internal at the site)

Non-responding Sites

Responding sites continued on REP through Month 18 (remain in study)

Month 6

REP+EF

Second-phase intervention

Month 12

REP+EF+IF

Responding sites

Non-responding Sites

Responding sites

Non-responding Sites

Third-phase intervention

Discontinue

Continue
REP+EF

Augment:
REP+EF+IF

Discontinue

Continue:
REP+EF+IF

Subgroups

A

B

C

D

E

Months 18 (Outcomes through Month 24)