

REVIEW ARTICLE

Treating psychological symptoms in sexually abused children

From research findings to service provision

Paul Ramchandani, MRCPsych and David P. H. Jones, FRCPsych

University of Oxford, Oxford, UK

Correspondence: Dr Paul Ramchandani, University of Oxford Department of Psychiatry, Warneford Hospital, Headington, Oxford OX3 7JX, UK. E-mail: paul.ramchandani@psych.ox.ac.uk.

Declaration of interest None. Funding detailed in Acknowledgements.

► ABSTRACT

Background The experience of having been sexually abused is associated with a wide range of psychiatric symptoms and difficulties, and these problems can persist over years. The psychological treatment of children who have experienced sexual abuse has only recently begun to be systematically investigated. An increasing number of robust studies have been conducted.

Aims To review systematically the available evidence from randomised controlled trials of psychological treatments for children who have been sexually abused, and to consider the place of these treatments in a multi-disciplinary service.

Method A systematic search of the available research was undertaken. Included trials were critically appraised and the results considered.

Results Twelve studies were included in the review. The best evidence of efficacy for improving psychological symptoms in these children was found for cognitive-behavioural therapy, particularly for young children.

Conclusions Efficacious treatments exist to improve psychological symptoms in children who have experienced sexual abuse. Consideration is given to the place of these treatments within the response of a multi-disciplinary service.

► INTRODUCTION

The experience of having been sexually abused is associated with a wide range of psychological symptoms and difficulties ([Kendall-Tackett et al, 1993](#); [Berliner & Elliott, 2002](#); [Putnam, 2003](#)) and these problems can persist over years ([Tebbutt et al, 1997](#)). The field of empirical research into the psychological treatment of children who have been sexually abused is relatively young. However, a number of important studies have been undertaken. Reviews of these studies have been published in the past, most notably by David Finkelhor and Lucy Berliner in 1995 ([Finkelhor & Berliner, 1995](#)). More recent reviews have tended to focus on one particular form of treatment such as cognitive-behavioural therapy (CBT) ([King et al, 1999](#); [Macdonald et al, 2000](#)). Important questions remain about the efficacy and effectiveness of different psychological treatments. The aim of this review is to address the issues of treatment efficacy and of planning therapy for children and families with varying needs, within a broader package of treatment and care.

► **METHOD**

A systematic review was undertaken, and then updated in November 2002, to include all randomised controlled trials of psychological treatments for children and their families where a child had been sexually abused. This was originally part of a wider research project investigating the effective provision of services to this group of children and families ([Jones & Ramchandani, 1999](#)).

A search was made of the bibliographic databases Medline, PsycLIT, CINAHL and the Cochrane Controlled Trials Register, using terms including CHILD*, SEXUAL*, ABUSE, THERAP* and TREAT*. We hand-searched the *Journal of the American Academy of Child and Adolescent Psychiatry*, the *Journal of Child Psychiatry and Psychology*, *Child Abuse Review*, the *British Journal of Psychiatry* and *Child Abuse and Neglect* for the years 1997–2002. In addition, references from these studies and other reviews were tracked, and authors and other experts in the field (both in the UK and overseas) were consulted in an attempt to recover other trials. To be included, the studies had to be randomised controlled trials, the intervention had to address the behavioural or psychological effects of the sexual abuse, and outcome measures had to be used that reflected this.

The quality of the included studies was assessed using the criteria of Jadad *et al* ([1996](#)). This system considers randomisation, masking (blinding) and withdrawals (drop-outs) from trials. A higher score indicates greater methodological rigour. These criteria have high interrater reliability and good criterion-related validity when compared with longer scoring systems ([Jadad et al, 1996](#)). Data were also extracted on numbers and ages of participants, parental and carer involvement in therapy, type and length of therapy, outcome measures used and outcomes reported. The results of the included studies were not statistically combined in a meta-analysis because of the relative heterogeneity of the participants, the therapies and the outcome measures used.

► **RESULTS**

After the search of databases and review of abstracts and papers, 16 studies were subjected to detailed appraisal. Four studies were excluded as they were not of randomised design ([Verleur et al, 1986](#); [Downing et al, 1988](#); [Sullivan et al, 1992](#); [McGain & McKinzey, 1995](#)). Three of the remaining 12 studies investigated group CBT ([Burke, 1988](#); [Berliner & Saunders, 1996](#); [Deblinger et al, 2001](#)) and six studies were of individual CBT ([Celano et al, 1996](#); Cohen & Mannarino, [1996, 1998a](#); [Deblinger et al, 1996](#); [King et al, 2000](#); [Dominguez, 2002](#)). The two studies by Cohen & Mannarino were of two separate populations of different age groups. Of the other three studies, one assessed the effect of adding group therapy to a family therapy treatment programme ([Monck et al, 1994](#)), and two compared individual therapy with group therapy ([Baker, 1987](#); [Trowell et al, 2002](#)).

One of the studies was undertaken in Australia ([King et al, 2000](#)), two in the UK ([Monck et al, 1994](#); [Trowell et al, 2002](#)) and nine in the USA. The studies recruited participants from a variety of sources, including child protection services, social services and medical and mental health practitioners. Most required that the child had experienced sexual abuse recently, and that this had been verified by the relevant child protection or youth justice agency. Children with significant learning problems were generally excluded.

Description of studies

Details of the numbers of children recruited for each study, the outcome measures used and the results are given in [Table 1](#).

Methodological quality of studies

The average quality score for the trials was 2.2 (range 1–3). Of the 12 studies included in the review, five described the method of randomisation ([Monck et al, 1994](#); [Berliner & Saunders, 1996](#); Cohen & Mannarino, [1996, 1998a](#); [Deblinger et al, 2001](#)). The remaining studies provided no details of the randomisation procedure. Randomisation was incomplete in one study ([Trowell et al, 2002](#)). Only the study by Celano *et al* ([1996](#)) described the clinician assessment as being masked to treatment group. Masking of assessors was not described by the other studies, although many used parent- and/or child-completed outcome measures. The attrition rate varied from study to study. It was not described at all by Burke ([1988](#)). In the other studies it ranged from 10% ([Deblinger et al, 1996](#)) to 35% ([Celano et al, 1996](#)) by the end of the treatment period. By the 2-year follow-up the rates were much greater – from 23% ([Deblinger et al, 1999](#)) to 48% ([Berliner & Saunders, 1996](#)).

Efficacy of different treatments

Cognitive-behavioural therapy

The largest number of research trials, and the evidence for best effect, comes for CBT. The most convincing evidence is for work with pre-school children who received 12 sessions of therapy in conjunction with their non-abusing parent or carer (Cohen & Mannarino, [1996, 1997](#)). Children receiving CBT showed significantly greater improvement on measures of behaviour problems such as the Child Behavior Checklist (CBCL; [Achenbach & Edelbrock, 1983](#)) and of sexualised behaviour such as the Child Sexual Behavior Inventory (CSBI; [Friedrich et al, 1992](#)) compared with a control group of children who received a non-directive course of therapy. These beneficial effects were

maintained up to 1 year later, and appear to be clinically as well as statistically significant, with 14% of those in the CBT group scoring in the clinical range on the CSBI and 7% in the clinical range on the Behavior Profile Total on the CBCL, compared with 40% and 33% respectively in the control group. However, a study of an 11-session group format of CBT used with children aged 2–8 years and their non-offending mothers showed smaller benefits over a supportive group ([Deblinger et al, 2001](#)). Both groups showed improvements over time, and some small differences were found favouring CBT, but pre-treatment differences that existed between the groups call into question the clinical significance of these small beneficial effects.

There have been more studies of CBT in older children, but the results from these studies are less clear-cut and are not consistent. Berliner & Saunders ([1996](#)) found no additional benefit when a specific stress inoculation and graded exposure component was added to a structured group programme. However, a number of acknowledged weaknesses in the design might have hampered this study: the children did not have to be symptomatic and had attended several sessions with a child mental health professional before entering the study, so there is the possibility of ‘floor’ effects (i.e. both groups having low symptom scores), making it difficult to demonstrate a difference between the two groups following treatment. In addition, the active treatment did not differ greatly from the control procedure in this study.

Celano *et al* ([1996](#)) compared an abuse-specific programme for African American girls with non-directive supportive therapy. Although positive changes were noted in the degree to which mothers and female caretakers blamed themselves, there was no difference between the two groups of children receiving the different forms of therapy. Cohen & Mannarino ([1998a](#)) also conducted a study comparing CBT with non-directive supportive therapy in children aged 7–14 years. Although children in the CBT group had better outcome with respect to scores for depression – 5.89 for CBT v. 9.89 for the control, measured using the Children's Depression Inventory ([Kovacs, 1983](#)) – there was no statistically significant difference for overall behaviour problems or sexualised behaviour. These results were hampered by the large number of children who were either withdrawn from or left the study and the consequently small numbers completing the trial: 49 of 78 children (63%).

Deblinger *et al* ([1996](#)) used a community control group as their comparator. The group receiving CBT had better outcomes than the control group on a variety of measures; the main area of improvement varied depending on who was involved in the treatment (mother only, child only, or mother and child). These relative advantages were maintained at 1-year follow-up ([Deblinger et al, 1999](#)). In contrast, Dominguez ([2002](#)) found no difference between a group of children (aged 6–17 years) treated with CBT and those treated with supportive therapy. Both groups were shown to improve over time. However, the small numbers of children completing this trial (25 in total) probably mean that it was insufficiently statistically powered to establish a significant difference between the two groups. King *et al* ([2000](#)) found better outcomes for post-traumatic stress disorder (PTSD) symptoms in treated children compared with waiting-list controls, but no

difference in outcomes between the different forms in which CBT was delivered (child only or family treatment).

Other theoretical models

There is a dearth of randomised controlled studies investigating the efficacy of therapy based on other theoretical models. Trowell *et al* ([2002](#)) used a psychodynamic model for their therapeutic approach and Baker ([1987](#)) used a Rogerian model. However, neither of these studies compared this therapeutic approach with an alternative – comparing instead different methods of delivery of the therapy. Therefore, although both showed improvements in the children treated this cannot necessarily be taken as evidence of efficacy of the treatment approach itself.

Group v. individual therapy

There is little consistent evidence favouring one form of therapy delivery over another. Baker ([1987](#)) found that those receiving group therapy did better on measures of self-esteem, but no difference was found on any other measure. Trowell *et al* ([2002](#)) found some improvements on PTSD outcomes favouring individual therapy, but no difference on global ratings of outcome. Finally, Monck *et al* ([1994](#)) found no benefit from adding group treatment to the family programme at Great Ormond Street Hospital, London, when objective research measures were used.

Other factors related to efficacy

Although most children and families improve during their participation in a treatment trial, some become worse ([Berliner & Saunders, 1996](#)). The studies that were able to demonstrate most clearly the efficacy of treatment were those including only children who were symptomatic – usually with symptoms of PTSD ([Cohen & Mannarino, 1996](#); [Deblinger *et al*, 1996](#); [King *et al*, 2000](#)). A further factor of note is the involvement of a non-abusing parent or carer in the therapy. Most studies (notably all of those demonstrating a positive treatment effect) included a parent or carer in the therapy – as family network therapy ([Monck *et al*, 1994](#)); in a supportive role ([Trowell *et al*, 2002](#)); or in the therapy sessions with the child, sometimes beginning with separate sessions, before having combined sessions later in the therapy ([Celano *et al*, 1996](#); [Cohen & Mannarino, 1996](#); [Deblinger *et al*, 1996](#); [King *et al*, 2000](#); [Deblinger *et al*, 2001](#)). Cohen & Mannarino ([1998b](#)) found that parental support is the strongest family predictor of good outcome for the child, at least for young children. Involving a (non-abusing) parent in therapy can lead to improved parenting skills and increased support for the child ([Celano *et al*, 1996](#); [Deblinger *et al*, 1996](#)).

There seems insufficient evidence to draw firm conclusions about the relative benefit of therapy at different stages of children's development. A number of other key issues remain insufficiently addressed. These include the development or adaptation of treatment for children of different ethnic and cultural backgrounds, and also for children with learning or other disabilities.

DISCUSSION

It may be considered inappropriate and unhelpful to ask whether psychological treatment for sexually abused children works or not. This is because sexual abuse is not a condition but a phenomenon that happens to children, and one in which the context it occurs in is important ([Finkelhor & Berliner, 1995](#); [Jones & Ramchandani, 1999](#)). These contexts vary widely and produce a variety of effects in children, including an important minority of children who show no effects (at least in the short term). There are, however, certain issues that are specific in sexual abuse. These include responses to the identity of the person responsible for the maltreatment, knowledge about sexually abusing behaviour, issues to do with future safety, sexual behaviour problems, and some of the post-traumatic psychological symptoms which many sexually abused children show. A range of other psychological effects are commonly seen in children who have been sexually abused, which may be related to the sexual abuse itself, or may be related to the context of parent–child attachment problems and family disharmony and violence, within which setting sexual abuse more commonly occurs. These psychological effects include externalising problems, aggression, depression, insecurity and problems with interpersonal relationships, including friendships and attachments. This variety of contexts must be held in mind when considering treatment outcome research, as this kind of research can only point up a proportion of the areas in which help and assistance may be needed.

Main findings of the studies

Conducting therapy with children and their families where the child has been sexually abused is often difficult. Maintaining the therapy is problematic, and so it is encouraging that increasing numbers of studies are now being conducted using randomised methodology. Despite the relative youth of the research field, and the variety of therapeutic methods studied here, several clear findings do emerge from this review.

First, there is evidence that some symptomatic children of pre-school age who have been sexually abused benefit from a form of CBT delivered by trained therapists to them and to their parent or carer (Cohen & Mannarino, [1996](#), [1997](#)). The CBT programme used in this study included child sessions focused on safety education, assertiveness training, attributions towards the abuse, fear and anxiety, and inappropriate behaviours. Parent sessions addressed belief in the child's abuse, attributions regarding the abuse, providing appropriate support to the child, management of inappropriate behaviours and management of the child's fear and anxiety. Sessions used techniques such as cognitive reframing, thought stopping, positive imagery, contingency reinforcement programmes, parent management training and problem-solving. There is something specifically beneficial about the therapy offered as it leads to greater improvement than the non-directive comparison therapy used. Studies of younger children do require replication, however, as a study of young children (aged 2–8 years) who were not necessarily symptomatic did not show the same degree of specific benefit from CBT ([Deblinger *et al.*, 2001](#)). Second, the balance of evidence suggests that older children and adolescents may also benefit from a similar format of CBT. The evidence is less strong for this group than for pre-school children. However, there remains more convincing evidence available for this form of therapy than for other competing therapeutic methods. Third, children who are symptomatic (with symptoms of PTSD or behavioural problems in these studies) are

more likely to demonstrate benefit from therapy. Finally, the involvement of a non-abusing parent or carer in therapy is associated with beneficial outcomes for the child. This is especially true for younger children.

Methodological considerations

There are a number of limitations that should be considered when interpreting the results of this study. As with any systematic review there is a possibility of publication bias, whereby studies that report positive outcomes are more likely to be published than those with negative outcomes. We have taken steps to avoid this by searching for unpublished studies and by contacting researchers within the field. By these methods we identified three PhD theses ([Baker, 1987](#); [Burke, 1988](#); [Dominguez, 2002](#)) and one trial that was still in progress ([Cohen & Deblinger, 2003](#)).

The overall scores on the Jadad quality scale ([Jadad *et al.*, 1996](#)) were low, but higher than those for psychological treatment trials in some other fields, such as children's sleep problems ([Ramchandani *et al.*, 2000](#)). This is in part due to the problems of maintaining masking when psychological treatments are being assessed in trials, but also because the method sections of some of the studies were poorly reported.

Until more randomised studies have been conducted in this field, several problems will remain. First, few studies have been replicated in different settings. There is a need for further research to be conducted in different countries with different health and child protection systems. Related to this is the wider issue of generalisability, estimating the extent to which the findings can be extrapolated to a different population - not just because of differences between groups of children in various settings, but also because participants in research studies tend to respond better to treatment than those offered the same treatment outside a clinical trial. Children recruited to these studies are different in some ways from those seen in everyday practice. Children with significant learning disabilities, substance misuse problems and severe mental illness (psychotic illnesses) were excluded from most of the research trials, and so these findings cannot be reliably applied to them. Very young pre-school children are also under-represented in the research base – and they are a group at significant risk of abuse. Related to generalisability is the difficulty in predicting which children will improve with treatment, and which might even do worse ([Berliner, 1997](#); [Berliner & Saunders, 1996](#)). Third, it remains difficult to identify confidently the components of treatment that are particularly effective. Until there are many more research studies, involving larger numbers of children, it will be difficult to do this. The strategy used by Cohen & Mannarino ([1996, 1998a](#)) of comparing CBT with non-directive therapy moves us in this direction, indicating as it does that some of the cognitive-behavioural components are effective, rather than just the process of a therapeutic encounter itself.

Many of these studies have been relatively brief, with short-term follow-up; we do not know therefore if the treatments reduce the long-term problems associated with sexual abuse. The possibility of 'sleepers' effects (whereby children are asymptomatic immediately after the abuse, but present with symptoms at a later developmental stage such as adolescence) has been considered in previous research ([Sharland *et al.*, 1996](#);

[Trowell et al, 2002](#)), and the current research cannot shed light on these longer-term difficulties. Research on adults who experienced sexual abuse as children has not, as yet, provided answers to these questions either. In a similar vein, the present research can only inform us about symptom measures, as these are the outcomes that have been used. Although these are the most likely outcomes to demonstrate a change in response to therapy directed at symptoms, there is a question as to whether they are the most salient ones. It might be that more generally conceptualised measures of adjustment (e.g. capacity for friendships, relationships with siblings and other family, further abuse, being abusive or bullying, educational adjustment) provide a broader perspective on personality development, on the principle that it is this aspect of adult outcome that is particularly damaged by child sexual abuse. Similarly, a purely trauma-focused model of therapy may be too narrow for the experience of child sexual abuse, and does not fully address the range and variety of difficulties experienced in both the short and longer terms.

Implications for the treatment of individual children and their families

We now move to consider the implications of these findings for the treatment of individual children, and also for the planning of services for children. Only the key points will be considered.

Treatment of children who have experienced sexual abuse has to occur within the context of the child's circumstances, often including other coexisting difficulties. In particular, the first priority will be the need for safety from further abuse. If resources are limited, treatment efforts should be focused on symptomatic children first, partly because of their burden of suffering, but also because the evidence for non-symptomatic children improving in other ways with treatment is not strong. Longer-term sleeper effects in those children who are asymptomatic soon after abuse has occurred are of concern, but with the current state of knowledge it seems appropriate to target available treatment resources at symptomatic children. This apparent differential response to treatment of asymptomatic and symptomatic children requires further research investigation.

Non-abusing parents and carers should be involved wherever this is possible, particularly when younger children have been abused. A sensitive developmental approach will dictate how the child and non-abusing parent or carer are seen – whether together in sessions, separately, or some combination of these. Parental (and particularly maternal) support of the child is crucial, and can be bolstered significantly by professional therapeutic input.

The research evidence points strongly to CBT being the first-line treatment for this group of children and their families, where it is available. In this we are in agreement with previous reviews ([Finkelhor & Berliner, 1995](#); [Berliner, 1997](#); [Stevenson, 1999](#); [King et al, 2000](#)). However, the evidence at present is not strong enough to preclude using or recommending other treatment approaches, either where specific factors suggest alternative approaches, or where CBT has failed or is unavailable. A wide range of different treatments are currently used for other kinds of traumatic states in children ([Cohen et al, 2001](#)). Particular circumstances that might require the use of other treatment approaches include the treatment of children with comorbid difficulties – particularly

difficult behavioural problems or significant sexual behaviour problems – and the treatment of very young children. However, there is a challenge here to the many treatments offered to these children: they should demonstrate their effectiveness and, more importantly, demonstrate that they do no harm.

We wish to highlight two other relevant clinical issues. First, there needs to be a focus on outreach and active methods of keeping children and families involved with therapeutic treatment. The attrition rates in the studies reviewed here are high, and are likely to be higher in real-life treatment. This is in common with treatment for other forms of child maltreatment ([Wolfe, 1995](#)). Second, clinicians need to be alert for persisting emotional disorder, particularly depression ([Tebbutt *et al*, 1997](#)). An assessment of comorbid psychiatric problems should be undertaken, and referral to psychiatric services made if appropriate.

Implications for planning services for a population

Children who have experienced sexual abuse will usually come to professional attention first through child protection services – the exact mechanisms depending on the country in question. However, sexual abuse should not be thought of as just a social services and child protection problem. As we have stressed, this group of children often had multiple problems, including significant psychiatric difficulties, and so a multi-disciplinary approach to planning services is crucial. We have previously suggested that all children who have experienced this type of abuse might benefit from a psycho-educational intervention ([Jones & Ramchandani, 1999](#)), incorporating some of the elements of the treatment packages tested in many of the studies reviewed here, such as addressing issues of responsibility for the abuse, knowledge about sexually abusive behaviour, and future safety. This type of intervention could successfully be undertaken by the professionals responsible for the initial intervention following the recognition of abuse (the social worker in the UK context). Therapies requiring further training and expertise, including the cognitive-behavioural therapies, might require either supervision from specialist child and adolescent mental health services or delivery by them. Delivery of a service to any area will therefore require an appropriate number of professionals to have the training and skills to offer CBT to this vulnerable group of children and adolescents. However, this alone will not suffice, as not everyone will respond to CBT, so a multi-modal therapeutic approach will be necessary ([Berliner, 1997](#)).

Services will need to orient themselves to involve the non-abusing parent: this will require a deliberate targeting of this group with support and treatment services. Active approaches of this kind must respect individual choice, but will need to address obstacles to care by considering transport issues, child care (e.g. crèches), stigma, and the possibility of meetings in other settings (e.g. community centres). A more proactive approach to outreach and maintaining people within treatment is required. Finally, services for this group of children and families need to have a long-term orientation. A service offering only shortterm, symptom-driven packages of care will miss children who present at later dates. That is not to say that these children need to remain in therapy for long periods (some might do, but the evidence does not suggest that the majority would

benefit from this); it is more to suggest that a significant group of these children may experience enduring problems such as depression or the later onset of problems.

Child sexual abuse can be a horrific experience in the life of a child. Increasingly, experience supports the contention that therapeutic treatments may help such children and their families, but services will have to be more clearly oriented to their needs.

► **Clinical Implications and Limitations**

CLINICAL IMPLICATIONS

- Cognitive-behavioural therapy for children who are symptomatic has the strongest research evidence of efficacy.
- Involving a non-abusing parent in therapy is associated with an improved outcome for the child.
- The context in which each child has been abused must be considered when planning treatment.

LIMITATIONS

- Relatively few studies have been conducted, and replication of these results in other settings is needed.
- Children with learning disabilities were usually excluded from trials and so the generalisability of these findings to groups with such disabilities is questionable.
- The possibility of positive publication bias must always be considered in a systematic review.

► **ACKNOWLEDGMENTS**

Earlier work that informed this paper was funded by the Department of Health (Social Services Inspectorate), London; P.R. has a training fellowship in Health Services Research funded by the Medical Research Council, UK.



► **REFERENCES**

Achenbach, T. M. & Edelbrock, C. S. (1983) *Manual for the Child Behavior Checklist*. Burlington, VT: University of Vermont Department of Psychiatry.

- Baker, C. R. (1987)** A comparison of individual and group therapy as treatment of sexually abused adolescent females (PhD, University of Maryland). *Dissertation Abstracts International*, **47**, 4319B .
- Berliner, L. (1997)** Intervention with children who experience trauma. In *Developmental Perspectives on Trauma: Theory, Research and Intervention* (eds D. Chicchetti & S. Toth), pp. 491-514. Rochester, NY: University of Rochester Press.
- Berliner, L. & Elliott, D. (2002)** Sexual abuse of children in the field of child maltreatment. In *The APSAC Handbook on Child Maltreatment* (2nd edn) (eds J. Myers, L. Berliner, J. Myers, *et al*), pp. 55-78. London: Sage.
- Berliner, L. & Saunders, B. E. (1996)** Treating fear and anxiety in sexually abused children: results of a controlled 2-year follow-up study. *Child Maltreatment*, **1**, 194-309.
- Burke, M. M. (1988)** *Short-term Group Therapy for Sexually Abused Girls: A Learning-theory-based Treatment for Negative Effects* (dissertation). Athens, GA: University of Georgia.
- Celano, M., Hazzard, A., Webb, C., *et al* (1996)** Treatment of traumagenic beliefs among sexually abused girls and their mothers: an evaluation study. *Journal of Abnormal Child Psychology*, **24**, 1 -17.[\[CrossRef\]](#)[\[Medline\]](#)
- Cohen, J. & Deblinger, E. (2003)** Treatment of post-traumatic stress disorder (PTSD) in sexually abused children. <http://clinicaltrials.gov/ct/show/NCT00000383>
- Cohen, J. A. & Mannarino, A. P. (1996)** A treatment outcome study for sexually abused preschool children: initial findings. *Journal of the American Academy of Child and Adolescent Psychiatry*, **35**, 42 -50.[\[CrossRef\]](#)[\[Medline\]](#)
- Cohen, J. A. & Mannarino, A. P. (1997)** A treatment study for sexually abused preschool children: outcome during a one-year followup. *Journal of the American Academy of Child and Adolescent Psychiatry*, **36**, 1228 -1235.[\[CrossRef\]](#)[\[Medline\]](#)
- Cohen, J. A. & Mannarino, A. P. (1998a)** Interventions for sexually abused children: initial treatment outcome findings. *Child Maltreatment*, **3**, 17 -26.[\[Abstract\]](#)
- Cohen, J. A. & Mannarino, A. P. (1998b)** Factors that mediate treatment outcome of sexually abused preschool children; six- and 12-month follow-up. *Journal of the American Academy of Child and Adolescent Psychiatry*, **37**, 44 -51.[\[CrossRef\]](#)[\[Medline\]](#)
- Cohen, J. A. & Mannarino, A. P. & Rogal, S. (2001)** Treatment practices for childhood posttraumatic stress disorder. *Child Abuse and Neglect*, **25**, 123 - 135.[\[CrossRef\]](#)[\[Medline\]](#)

Deblinger, E., Lippmann, J. & Steer, R. (1996) Sexually abused children suffering post-traumatic stress symptoms: initial treatment outcome findings. *Child Maltreatment*, **1**, 310 -321. [\[Abstract\]](#)

Deblinger, E., Steer, R. A. & Lippmann, J. (1999) Two-year follow-up study of cognitive behavioural therapy for sexually abused children suffering post-traumatic stress symptoms. *Child Abuse and Neglect*, **23**, 1371 -1378. [\[CrossRef\]](#)[\[Medline\]](#)

Deblinger, E., Stauffer, L. B. & Steer, R. A. (2001) Comparative efficacies of supportive and cognitive behavioural group therapies for young children who have been sexually abused and their nonoffending mothers. *Child Maltreatment*, **6**, 332-343. [\[Abstract/Free Full Text\]](#)

Dominguez, R. Z. (2002) Evaluation of cognitive-behavioral and supportive treatments for sexually abused children: analysing the process of change using individual growth curve analyses (University of Houston). *Dissertations Abstracts International*, **62**, 5370 .

Downing, J., Jenkins, S. J. & Fisher, G. L. (1988) A comparison of psychodynamic and reinforcement treatment with sexually abused children. *Elementary School Guidance and Counselling*, **22**, 291 -298.

Finkelhor, D. & Berliner, L. (1995) Research on the treatment of sexually abused children: a review and recommendations. *Journal of the American Academy of Child and Adolescent Psychiatry*, **34**, 1408 -1423. [\[CrossRef\]](#)[\[Medline\]](#)

Friedrich, W. N., Grambsch, P., Damon, L., et al (1992) The Child Sexual Behavior Inventory: normative and clinical comparisons. *Psychological Assessment*, **4**, 303-311.

Jadad, A. R., Moore, R. A., Carroll, D., et al (1996) Assessing the quality of reports of randomized clinical trials: is blinding necessary? *Controlled Clinical Trials*, **17**, 1 -12. [\[CrossRef\]](#)[\[Medline\]](#)

Jones, D. P. H. & Ramchandani, P. (1999) *Child Sexual Abuse: Informing Practice from Research*. Abingdon: Radcliffe.

Kendall-Tackett, P. C., Williams, L. M. & Finkelhor, D. (1993) The impact of sexual abuse on children: a review of and synthesis of recent empirical studies. *Psychological Bulletin*, **113**, 164 -190. [\[CrossRef\]](#)[\[Medline\]](#)

King, N. J., Tonge, B. J., Mullen, P., et al (1999) Cognitive-behavioural treatment of sexually abused children: a review of research. *Behavioural and Cognitive Psychotherapy*, **27**, 295 -309.

King, N. J., Tonge, B. J., Mullen, P., et al, (2000) Treating sexually abused children with posttraumatic stress symptoms: a randomised clinical trial. *Journal of the American Academy of Child and Adolescent Psychiatry*, **39**, 347 -1355.

Kovacs, M. (1983) *The Children's Depression Inventory: A Self-rated Depression Scale for School-age Youngsters*. Pittsburgh, PA: University of Pittsburgh School of Medicine.

Macdonald, G., Ramchandani, P., Higgins, J., et al (2000) Cognitive behavioural interventions for sexually abused children (Protocol). *Cochrane Library*, issue 1. Oxford: Update Software.

McGain, B. & McKinzey, R. K. (1995) The efficacy of group treatment in sexually abused girls. *Child Abuse and Neglect*, **19**, 1157 -1169. [[CrossRef](#)][[Medline](#)]

Monck, E., Bentovim, A., Goodall, G., et al (1994) *Child Sexual Abuse: A Descriptive and Treatment Outcome Study*. London: HMSO.

Putnam, F. (2003) Ten year research update review: child sexual abuse. *Journal of the American Academy of Child and Adolescent Psychiatry*, **42**, 269 - 278. [[CrossRef](#)][[Medline](#)]

Ramchandani, P., Wiggs, L., Webb, V., et al (2000) A systematic review of treatments for settling problems and night waking in young children. *BMJ*, **320**, 209 - 213. [[Abstract/Free Full Text](#)]

Sharland, E., Seal, H., Croucher, H., et al (1996) *Professional Intervention in Child Sexual Abuse*. London: HMSO.

Stevenson, J. (1999) The treatment of the long-term sequelae of child abuse. *Journal of Child Psychology and Psychiatry*, **40**, 89 -111. [[CrossRef](#)][[Medline](#)]

Sullivan, P. M., Scanlan, J. M., Brookhouse, P. E., et al (1992) The effects of psychotherapy on behaviour problems of sexually abused deaf children. *Child Abuse and Neglect*, **16**, 297 -307. [[CrossRef](#)][[Medline](#)]

Tebbutt, J., Swanston, H., Oates, R. K., et al (1997) Five years after child sexual abuse: persisting dysfunction and problems of prediction. *Journal of the American Academy of Child and Adolescent Psychiatry*, **36**, 330 -339. [[CrossRef](#)][[Medline](#)]

Trowell, J., Kolvin, I., Weeramanthri, T., et al (2002) Psychotherapy for sexually abused girls: psychopathological outcome findings and patterns of findings change. *British Journal of Psychiatry*, **180**, 234 -247. [[Abstract/Free Full Text](#)]

Verleur, D., Hughes, R. E. & Dobkins de Rios, M. (1986) Enhancement of self-esteem among female adolescent incest victims: a controlled comparison. *Adolescence*, **84**, 843 - 854.

Wolfe, D. (1995) The role of intervention and treatment services in the prevention of child abuse and neglect. In *Protecting Children from Abuse and Neglect: Foundations for a New National Strategy* (eds G. Melton & F. Barry), pp. 224 -303. London: Guilford.

Received for publication February 17, 2003. Revision received May 22, 2003. Accepted for publication June 12, 2003.