

SAMPLE QUALITY AND DATA ABSTRACTION FORM

UNCONTROLLED OBSERVATIONAL STUDIES:

Reviewer Name:

Article #:

Research questions

What are the characteristics of injury to the orofacial region in physically abused children and adolescents aged 0-17 years?

Is there a difference in the orofacial injury patterns between physically abused and non-abused children and adolescents?

Inclusion and exclusion criteria

Inclusion criteria	comment
Peer reviewed articles	
Peer reviewed thesis	
Intraoral and/or facial injury patterns	
Cases of physical abuse in the 0-17 years	
English language articles	

Exclusion criteria	Comment
Single case reports	
Physical abuse that result to children who witness family violence	
Dental neglect	
Review articles	
Ritualistic abuse	
Bite mark injury cases on body other than orofacial region	
Child sexual and emotional abuse	
Case series containing less than 10 cases	
Book chapters or conference proceedings	
Non English articles	
Eyes or nasal cavity internal injuries that are out of scope of dental expertise	

Sample size	
Prospective/retrospective	

Ranking of abuse and unintentional injury modified from CardiffCochranegroup:<http://www.core-info.cardiff.ac.uk/methodology/oral-injuries/1277-2>

Ranking	Criteria used to define abuse
1	Abuse confirmed at case conference or civil or criminal court proceedings or admitted by perpetrator
2	Abuse confirmed by stated criteria including multidisciplinary assessment
3	Abuse defined by stated criteria
4	Abuse stated but no supporting detail given
5	Suspected abuse
Comments:	

Ranking of evidence by study type	
1	Cohort study / longitudinal study
2	Case-control study
3	Cross-sectional

Ranking	Criteria used to define abuse
1	Abuse confirmed at case conference or civil or criminal court proceedings or admitted by perpetrator
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3	Abuse defined by stated criteria
4	Abuse stated but no supporting detail given
5	Suspected abuse
Comments:	

Study quality Criteria [adopted from the Monash and Cochrane guide to systematic reviews]

Has an adequate literature review done?

Are the cases defined precisely keeping in view the aims of the systematic review?

Were the cases representative of the defined population?

Was there an established reliable system for selecting all the cases serving as sample population? [inclusion and exclusion criteria]

Has the methodology been adhered to rigorously?

Were the cases in sufficient numbers to have statistical power?

Have the results been clearly presented?

Were all results considered?

Were Statistical methods applied and were they appropriate?

Has statistical analysis been performed to control confounding factors?

Were the conclusions valid?

Additional comments

Strengths and limitations:

Implications for research

Author name Publication year	
Time span of actual study	
Institutional setting	
Number of children	
Age groups	
Gender	
Coexistent injuries	
*Comorbidities	
Fatal/live	

Disabled child data	
Radiological investigations	
Repeat or fresh abuse	
Total cases with oro-facial injuries	
injuries to face	

Intraoral injuries	
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CONTROLLED/ COMPARATIVE STUDIES

Reviewer Name:

Article number # & title:

Research questions

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Non English articles	
Eyes or nasal cavity internal injuries that are out of scope of dental expertise	

Sample	
Retrospective/prospective	

Ranking of abuse and unintentional injury modified from CardiffCochranegroup:<http://www.core-info.cardiff.ac.uk/methodology/oral-injuries/1277-2>

(tick wherever applicable)

Criteria used to define abuse	Abuse rank	Criteria for defining unintentional injury	Injury Rank
Abuse confirmed at case conference or civil or criminal court proceedings or admitted by perpetrator	1	Independently witnessed injury or forensic recreation of scene	1
Abuse confirmed by stated criteria including multidisciplinary assessment	2	By multidisciplinary assessment and child protection clinical investigations	2
Abuse defined by stated criteria	3	Unintentional injury defined by stated criteria	3
Abuse stated but no supporting detail given	4	Unintentional injury stated but no detail given	4
Suspected abuse	5	No attempt made to exclude abuse / no detail given	5

Comments:

Ranking of evidence by study type	
1	Cohort study / longitudinal study
2	Case-control study
3	Cross-sectional

Grade	Type of evidence
1	Evidence obtained from a controlled observational study.
2	Evidence obtained from a uncontrolled observational or analytical study
3	studies using purely qualitative methods
4	Evidence obtained from studies that are case series or case studies
Comments:	

Study quality Criteria [adopted from the Monash and Cochrane guide to systematic reviews]

Has an adequate literature review done?

Are the cases defined precisely keeping in view the aims of the systematic review?

Were the study cases representative of the defined population?

Was there an established reliable system for selecting all the cases serving as sample population? [inclusion and exclusion criteria]

Has the methodology been adhered to rigorously?

Were the cases in sufficient numbers to have statistical power?

Was a comparative non-abused group included?

Were the controls representative of the defined case population

Was the Oro-facial injury rate high in control groups?

Is the control group matched on as many as variables as possible?

Were there as many as control cases as the main sample population?

Have the results been clearly presented?

Were all results considered?

Were Statistical methods applied and were they appropriate?

Has statistical analysis been performed to control confounding factors?

Were the conclusions valid?

Additional comments:

Strengths and limitations:

Implications for research:

Author name Publication year		
Time span of actual study		
Institutional setting		
	ABUSE GROUP	CONTROL GROUP
Number of children		
Age groups		

Gender		
Coexistent injuries		
Comorbidities		
Fatal/live		
Disabled child data		
Radiological investigations		

Repeat or fresh abuse		
Total cases with oro-facial injuries		
injuries to face		
Intraoral injuries		

