



Early report

Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children

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Summary

Background We investigated a consecutive series of children with chronic enterocolitis and regressive developmental disorder.

Methods 12 children (mean age 6 years [range 3-10], 11 boys) were referred to a paediatric gastroenterology unit with a history of normal development tolicaved by loss of acquired shills, including language, together with distribuce and abdominal poin. Children underwent gastroenterological, rescribigical, and developmental assessment and review of developmental records. Recordenoscopy and biopsy sampling, magneticereonance imaging (MRI), electroence-ophalography (EEG), and lumbar puncture were done under sedation. Barism follow-through radiography was done where possible. Binchemical, haematological, and immunological profiles were examined.

Findings Coset of behavioural symptoms was associally the parents, with meades, manyas, and rub invaccination in eight of the 12 children, with meads infection in origin of the 12 children, with meads infection in one child, and office model in a rub. All 11 children had intestinal abnormalities angle from lymphoid hadden hyperplania to a proof of praction. Historiagy showed patchy chronic inflam injury. In 11 children and reactive item imphots complass in seven, but no granulomas. But should floor to included autism (nine), disintegrating 5-3 new foreign and consider autism (nine), disintegrating 5-3 new foreign and considerable autism (nine), disintegrating 5-3 new foreign and EEG tests were normal. Abnormal laboratory results are significantly raised uninary or thylmston acid compared with age-matched control results. (A) in a children.

Intercution is identificated associated gastrointestinal decise and conforments regression in a group of print and the second of the second of the second print a possible environmental triggers.

Lancet 199 : 151: 637-41 See Commentary page

Inflammatory Blowel Disease Study Broug, University Departments of Medicine and Hatopathology (A. / Waterfield 1922, A. Actives on J. Limell 1924, A. P. Dellan 1922 at 3. S. C. Gories sectors) and the University Department of Pandiatric Gastroentarology (S. H. Mutth. a. O. M. Cassur, now). M. Maid 1925.

M.A. Thomson rate, J.A. Waller-Smith man, J., Child and Adelescent Psychiatry (M. Berelowitz rechant), Neurology (P. Harrey reary), and Radiology (A. Valentine man), Hoyal Free Hospital and School of Medicine, Lendon WKS 200, UK

Correspondence to: Dr A. J Wakefield

Introduction

We saw several children who, after a proof apparent normality, lost acquired skills, include a commitment. They all had gastrointestinal proptoms, including abdominal pain, diarrhoea, and using and, in some cases, food intolerance. We accribe a clinical fralings, and gastrointestinal feature of these cities.

Patients and metrical

12 children, own street and to department of parellattic guide afcorlogs a largery of a pervasive developments are fer with loss or red skills and articles/ symptoms a series abdomina to the, blowing and for intellerance, ever into cored. All children were admitted to the ward over tark, accoming on the fiber parents.

Prical investigations

took history including details of more course to infect to discusse, and assemed a course to infect to discusse, and assemed a course to infect to obtained by the second of the population and the population of the population of

After bowel preparation, decoeleracopy was y SHM or MAT under sedation with midanolars Paired from and formalin-final miscoad by taken from the terminal ileum, and decorating, and sigmod reletes, and procedure was recorded by valoes compared with images of the paediamic colorascopies (four point shiften with valorative opening appearance of the paediamic colorascopies (four point shiften with valorative opening appearance), and the section is urchedul manufacture.

Also under sections, urchedul manufacture.

(MRI), electromorphalography (EEG) stom auditory, and urnsory evoked pc made these possible), and lumbar purchas we

Laboratory investigations

Thyroid function, scrum long-claim fany carebroquischaid lattie seen measured to reases of shikhood boundegementine methylmidenic acid was measured in modor night of the 12 shidern and 14 age-mm mormal controls, by a modification of prevaously. Chromatograms was computer, to analyse the methylm and compute, to analyse the methylm and compute, by mothylpatients and controls were Urmary creations was away.

Children were screen boys were screened

The Lancet, 1998

Ileal-lymphoid-nodular Hyperplasia, Non-specific Colitis, and Pervasive Developmental Disorder in Children

12 enfants

Lien évoqué avec l'autisme

2000: la ROUGEOLe eradiquée aux USA, mais...

Les medias en parlent

Les parents questionnent

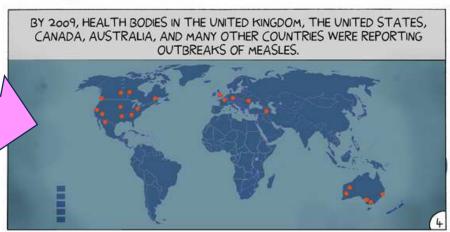
Les cas se multiplient













FLASHBACK: 1996

- Un avocat spécialisé recrute Wakefield
- Objectif, démontrer un lien
- £150 par heure total ~ £500 000
- Puisé dans un fonds d'assistance juridique

VACCIN UNIQUE?

- Brevet depose auparavant
- Vaccin ROR néfaste = jackpot!



LES ENFANTS

Falsification des données

Tests non approuvés

2010

- → Révocation de Wakefield
- → Rétractation de **l'article**



Une nouvelle carriere

- Jim Carrey
- Cindy Crawford
- Jenny McCarthy
- De Niro
- Elle McPherson



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Authors file complaint with publisher as journal retracts vaping paper

A paper that found smoking rates in the United States fell faster than expected as more people started using e-cigarettes has been retracted over the objections of its authors, who

Population-level counterfactual trend modelling to examine the relationship between smoking prevalence and e-cigarette use among US adults

have filed a complaint with the journal's publisher.

As we reported in July, BMC Public Health informed the authors of "Population-level counterfactual trend modelling to examine the relationship between smoking prevalence and e-cigarette use among US adults" that the editors had decided to retract the article after receiving a critical letter. We reported:

The letter did not request retraction of the paper, but argued that its analyses "were flawed and therefore potentially





Rappel:

Validité externe — conclusions peuvent être étendues à l'ensemble de la population

Validité interne – absence de biais



Evaluation de cet aspect

2 listes de points à vérifier



Maturation – Étude plus longue, changement des comportements ou attitudes des participants

Sélection – À l'inclusion, et à l'attribution

Histoire – Evénements socio-politiques

Instrumentation – calibration et contrôle

Régression – effet dû à un phénomène statistique

Attrition – données manquantes, différences fondamentales entre ceux qui perservèrent et les autres.



Effet de test réactif – répondre à une enquête avant une intervention peut influer sur le comportement

Effet de sélection interactif – les participants ont des caractéristiques **qu'on** ne trouverait pas ailleurs

Effet **d'innovation** réactif — la nature artificielle de la situation change **l'attitude** des participants

Interférence externe – la participation à des activités en dehors de **l'étude** peut avoir une influence



Un sous-groupe **d'une** population cible Objectif : pouvoir extrapoler les résultats

Obéit à des critères d'inclusion et d'exclusion

Méthodes d'attribution

Aléatoire

Systématique (tous les x)

Stratification (tiré de sous-groupes)

Communautés

Convenance (biais quasi systématique)

L'ARTICLE de recherche qualitative

Questions humaines ou sociales dans leurs milieux naturels Approche inductive

Raisons méthodologiques ou éthiques qui excluent une approche quantitative

Sujets ne peuvent ou ne veulent pas participer dans une étude expérimentale traditionnelle

Situations où il y a un groupe émergeant

Supplément aux méthodes quantitatives — recherche d'hypothèses, d'explications

Consentement impossible

Etudes d'un individu, culture, société ou phénomène

4 approches possibles (non limitatif)

- Phenomenology
 - Souvent à partir d'entretiens
- Action research
 - Etude de son propre fonctionnement professionnel avec mise en application des améliorations, processus cyclique
- Grounded theory (Glaser & Strauss, 1967)
 - Développement d'une théorie à partir de données, comparaison et analyse répétées, recueil jusqu'à saturation
- Ethnography
 - Observation à long terme sur le terrain de comportements au sein d'un groupe

Des méthodes variées

Observation - participation Immersion du chercheur dans le groupe

Observation directe

Le chercheur est effacé

Interview libre

Pas de structure fixe hormis quelques questions initiales

Etudes de cas

Faire ressortir des théories à partir des cas (entretiens et/ou observation)

Assurance qualité

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Validité – reflet exact
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Triangulation - plusieurs approches Méthodes Sources Analystes Théories

Observations contradictoires – identification et explication

Validation par les sondés – vérification des interprétations

Comparaisons répétées — vue d'ensemble, source d'idées

Fiabilité – reproductible?

Les plus et moins de **L'APPROCHE** qualitative

- +
- Niveau de détail
- Questions évolutives en temps réel.
- Méthodologie adaptive pour tenir compte des nouveaux faits observés.
- Intérêt humain plus riche que des chiffres.
- Identification de nuances ou aspects compliqués.
- Conclusions peuvent être transférées à d'autres situations

- Qualité dépend de **l'expérience** et compétence du chercheur.
- Subjectivité peut mener à des biais.
- Méthodologie peut manquer de rigueur.
- Analyse des données prend du temps.
- Parfois vu comme inférieur à l'approche quantitative
- Réponses des participants peuvent être influées par la présence du chercheur.
- Problems d'anonymat et de confidentialité lors de la publication
- Difficultés de visualisation des observations.
- Conclusions ne peuvent pas être extrapolées à une population plus large

Méthodes mixtes qualitative + quantitative

- Questionnaires
 - Échelles quantifiables
- Analyse de discours
 - Codification, traitement automatique
- Recueil de données des deux types
 - Séquentiel
 - Concomitant deux études indépendantes ou recueil imbriqué

Eléments pour **L'ANALYSE**

Title

➤ Was the title a good one, suggesting the key phenomenon and the group or community under study?

Abstract

Does the abstract clearly and concisely summarize the main features of the report?

Introduction

Statement of the problem

- Is the problem stated unambiguously and is it easy to identify?
- Does the problem statement build a cogent and persuasive argument for the new study?
- Does the problem have significance for practice?
- > Is there a good match between the research problem on the one hand and the paradigm, tradition, and methods on the other?

Source: Polit, Denise F., and Cheryl Tatano. Beck. Essentials of Nursing Research: Appraising Evidence for Nursing Practice. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2010. Print.

Research questions

- Are research questions explicitly stated? If not, is their absence justified?
- Are the questions consistent with the study's philosophical basis, underlying tradition, conceptual framework, or ideological orientation?

Literature review

- Does the report adequately summarize the existing body of knowledge related to the problem or phenomenon of interest?
- Does the literature review provide a solid basis for the new study?

Conceptual underpinnings

- Are key concepts adequately defined conceptually?
- ➤ Is the philosophical basis, underlying tradition, conceptual framework, or ideological orientation made explicit?

Source: Polit, Denise F., and Cheryl Tatano. Beck. Essentials of Nursing Research: Appraising Evidence for Nursing Practice. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2010. Print.

Method

Protection of participants' rights

- Were appropriate procedures used to safeguard the rights of study participants? Was the study subject to external review by an IRB/ethics review board?
- Was the study designed to minimize risks and maximize benefits to participants?

Research design and research tradition

- Is the identified research tradition (if any) congruent with the methods used to collect and analyze data?
- Was an adequate amount of time spent in the field or with study participants?
- Did the design unfold in the field, giving researchers opportunities to capitalize on early understandings?
- Was there an adequate number of contacts with study participants?

- ➤ Was the number of data collection points appropriate?
- Did the design minimize biases and threats to the internal construct, and external validity of the study (e.g., was blinding used, was attrition minimized)?

Population and sample

- Was the population identified and described? Was the sample described in sufficient detail?
- ➤ Was the best possible sampling design used to enhance the sample's representativeness? Were sample biases minimized?
- Was the sample size adequate? Was a power analysis used to estimate sample size needs?

Data collection and measurement

- Are the operational and conceptual definitions congruent?
- Were key variables operationalized using the best possible method (e.g., interviews, observations, and so on) and with adequate justification?
- Are the specific instruments adequately described and were they good choices, given the study purpose and study population?
- Does the report provide evidence that the data collection methods yielded data that were high on reliability and validity?

Procedures

- ➤ If there was an intervention, is it adequately described, and was it properly implemented? Did most participants allocated to the intervention group actually receive the intervention? Was there evidence of intervention fidelity?
- Were data collected in a manner that minimized bias? Were the staff who collected data appropriately trained?

Source: Polit, Denise F., and Cheryl Tatano. Beck. Essentials of Nursing Research: Appraising Evidence for Nursing Practice. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2010. Print.

Results

Data analysis

- Were analyses undertaken to address each research question or test each hypothesis?
- Were appropriate statistical methods used, given the level of measurement of the variables, number of groups being compared, and so on?
- Was the most powerful analytic method used? (e.g., did the analysis help to control for confounding variables)?
- ➤ Were Type I and Type II errors avoided or minimized?

Findings

- Was information about statistical significance presented? Was information about effect size and precision of estimates (confidence intervals) presented?
- Are the findings adequately summarized, with good use of tables and figures?
- Are findings reported in a manner that facilitates a meta-analysis, and with sufficient information needed for EBP?

Source: Polit, Denise F., and Cheryl Tatano. Beck. Essentials of Nursing Research: Appraising Evidence for Nursing Practice. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2010. Print.

DiscussionInterpretation of the findings

- Are all major findings interpreted and discussed within the context of prior research and/or the study's conceptual framework?
- ➤ Were causal inferences, if any, justified?
- Are the interpretations consistent with the results and with the study's limitations?
- Does the report address the issue of the generalizability of the findings?

Implications/recommendations

Do the researchers discuss the implications of the study for clinical practice or further research—and are those implications reasonable and complete?

Global Issues Presentation	 Is the report well written, well organized, and sufficiently detailed for critical analysis? In intervention studies, was a CONSORT flow chart provided to show the flow of participants in the study? Was the report written in a manner that makes the findings accessible to practitioners?
Researcher credibility	Do the researchers' clinical, substantive, or methodologic qualifications and experience enhance confidence in the findings and their interpretation?
Summary assessment	 Despite any identified limitations, do the study findings appear to be valid—do you have confidence in the truth value of the results? Does the study contribute any meaningful evidence that can be used in practice?

Source : Polit, Denise F., and Cheryl Tatano. Beck. Essentials of Nursing Research: Appraising Evidence for Nursing Practice. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2010. Print.

Un modèle **D'ANALYSE**: Caldwell *et al*. (2011)

Does the title reflect the Titre content? Are the authors credible? Auteurs Does the abstract Abstract summarize the key components?

Introduction

Is the rationale for undertaking the research clearly outlined?

1

Is the literature review comprehensive and up-todate?



Is the aim of the research clearly stated?



Méthodologie

Are all ethical issues identified and addressed?

1

Is the methodology identified and justified?

Quantitative

Qualitative

Is the study design clearly identified, and is the rationale for choice of design evident?

Are the philosophical background and study design identified and the rationale for choice of design evident?

Méthodologie

Ouantitative

Is there an experimental hypothesis clearly stated?
Are the key variables clearly defined?

Is the population identified?

Is the sample adequately described and reflective of the population?

Is the method of data collection valid and reliable?

Qualitative

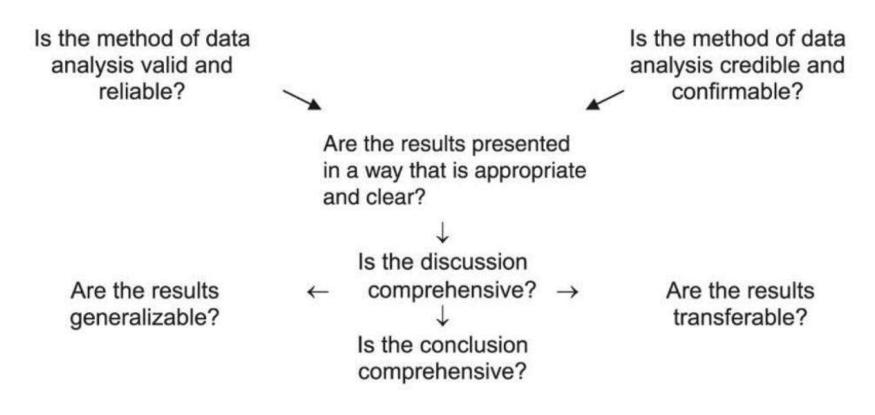
Are the major concepts identified?

Is the context of the study outlined?

Is the selection of participants described and the sampling method identified?

Is the method of data collection auditable?

Quantitative Qualitative





Qualitative Research article:

Chau, W. M. W., & Furness, P. J. (2023). Happiness in Parents of Children with Autism Spectrum Disorder: A Qualitative Study. American Journal of Qualitative Research, 7(1), 168-190.