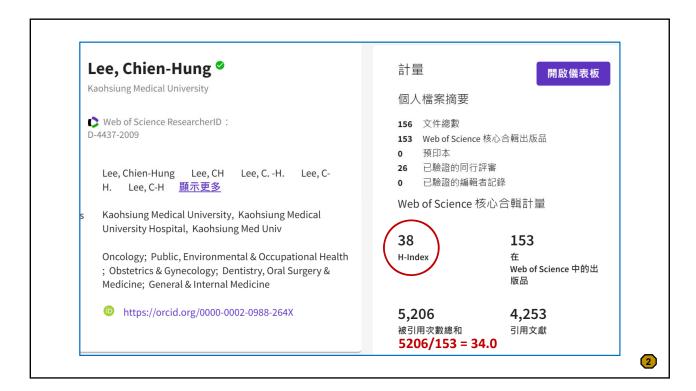
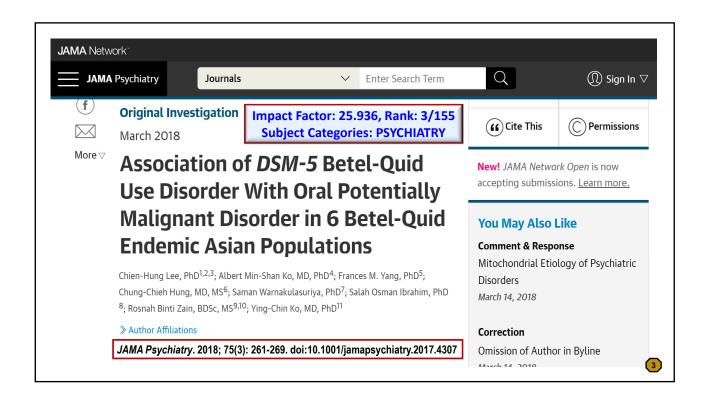
圖書館LIB+達人講座

投稿寫作經驗分享

李建宏 教授 **全**健康科學院 公共衛生學系 2023/3/10





論文形成的過程

- 研究議題(新穎、重要、對公眾有實質助益)
- 研究設計 (問題探討、可行的最佳方案,研究規模)
- ●研究對象 (selection bias)
- 資料收集與測量 (information bias)
- 資料分析 (陳示結果的邏輯思考)
- 論文撰寫
- 論文投稿與修改



論文寫作的要點

經問題背景探討後,依研究方法與結果,如實地,系統邏輯的,以實證數據的方式,重點簡要地,經多面向多意見(或理論)充分討論後,總結結論並引申意義的連串程序。

(5)

論文的結構

- 背景/目的(Background/Purpose)
- 研究方法 (Materials and Methods)
 - 研究設計 (Study design)
 - 參與者 (Participants)
 - 暴露/結果/干擾因子測量 (Measurements)
 - 統計分析(Statistical analysis)
- 結果 (Results)
- 討論 (Discussion)
- 結論 (Conclusion)

6

我的方法

- 先寫結果→結論→方法→前言+討論→摘要
- ●提一個好問題(站立在不同的角度提問問題),良好的 自問自答
- 摘要要有數值/事證證據,尤其是結果的部份
- 結論必須來自論文的實證證據
- 全文前後閱讀3次,字詞用語須一致
- 詞句內容須清楚,自己已沉浸於論文情境太久,常有理所當然的狀況,7天後以第3者角度閱讀論文的本文
- 詞句要有主詞,there is ...不是一個好起頭

(7

寫作的重點1

● 投稿:

題材的研究規模,新穎度,重要性→決定投稿期刊的質量

- 內容的文字長度的安排(3500字: 500,1200,600,1200)
- 中文比英文重要(精準陳述內容最重要)
- 前言:
 - 對問題內容的理解程度→文獻回顧、整理與探討→數據背景→科學 理論基礎的依據為何?
 - 依研究結果的前後順序,排列背景內容的順序
- 方法:
 - 檢視研究結果的變數是否均於測量方法中清楚陳示
 - 以合適的統計方法,邏輯地安排表格與圖解的內容
 - 如何控制干擾因子

8

寫作的重點 2

- 結果簡要,著重重點
- 討論:
 - 說明研究結果在理論/實證基礎的合理性
 - 以分析衍出討論
 - 陳列研究限制
- 結論:研究結論不超越研究結果的內容
- 摘要:內容飽滿焦聚,以數據強調結果,並支持結論
- 審查者:Peer reviewers是我們的外部指導者



STROBE要點

STROBE Statement

STrengthening the Reporting of OBservational studies in Epidemiology

 Checklist of items that should be included in reports of observational studies

(https://www.strobe-statement.org/)



	Item No	Recommendation
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported
Objectives	3	State specific objectives, including any prespecified hypotheses
Methods		
Study design	4	Present key elements of study design early in the paper
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection
Participants	6	(a) Cohort study—Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up
		Case-control study—Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls
		Cross-sectional study—Give the eligibility criteria, and the sources and methods of selection of participants
		(b) Cohort study—For matched studies, give matching criteria and number of exposed and unexposed
		Case-control study—For matched studies, give matching criteria and the number of controls per case

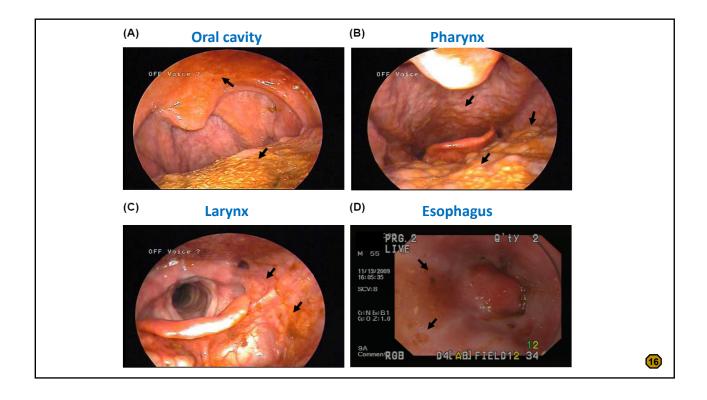
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there
Bias	9	is more than one group Describe any efforts to address potential sources of bias
Study size	10	Explain how the study size was arrived at
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding(b) Describe any methods used to examine subgroups and interactions(c) Explain how missing data were addressed
		(d) Cohort study—If applicable, explain how loss to follow-up was addressed Case-control study—If applicable, explain how matching of cases and controls was addressed Cross-sectional study—If applicable, describe analytical methods taking account of sampling strategy
		(e) Describe any sensitivity analyses

Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and
		analysed
		(b) Give reasons for non-participation at each stage
		(c) Consider use of a flow diagram
Descriptive	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information
data		on exposures and potential confounders
		(b) Indicate number of participants with missing data for each variable of interest
		(c) Cohort study—Summarise follow-up time (eg, average and total amount)
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time
		Case-control study—Report numbers in each exposure category, or summary measures of
		exposure
		Cross-sectional study—Report numbers of outcome events or summary measures
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their
		precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and
		why they were included
		(b) Report category boundaries when continuous variables were categorized
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful
		time period
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity
		analyses

Discussion		
Key results	18	Summarise key results with reference to study objectives
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision.
		Discuss both direction and magnitude of any potential bias
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity
		of analyses, results from similar studies, and other relevant evidence
Generalisability	21	Discuss the generalisability (external validity) of the study results
Other information	o n	
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable,
		for the original study on which the present article is based

















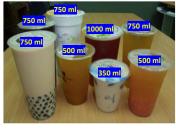


研究方法:SSB assessment

International Journal of Obesity (2013) 37, 532-539

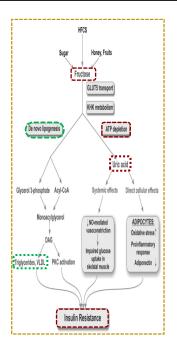
- SSB consumer: adolescents ingesting at least one serving of SSB per week over the prior month.
- Total daily SSB intake: calculated based on the total serving size, e.g., 350, 500, 580, 750 and 1000 ml commonly used in Taiwan.
- HFCS-containing level: HSS drinks were classified into slight, half and heavy HFCS beverages.











結果分析的重點: SSB and TG

Table 3. Multivariate-adjusted differences in triglyceride and RBP4 associated with the type of SSB consumed by adolescents

Factors	ı	Model I ^a	ı	Model II ^b	ľ	Model III ^b
	aDiff.	(95% CI)	aDiff.	(95% CI)	aDiff.	(95% CI)
Triglyceride (mg/dl)						
Non-intake	Ref.		Ref.		Ref.	
HFCS HSD						
Slightly	13.51	(-8.07, 35.08)	13.02	(-8.23, 34.26)	9.75	(-11.10, 30.59)
Half-to-heavily	19.19*	(2.51, 35.88)	19.46*	(3.03, 35.90)	14.88	(-1.42, 31.17)
Mixed sugar BSD	2.34	(-15.07, 19.75)	0.76	(-16.43, 17.95)	-4.35	(-21.42, 12.73)
RBP4 (ng/ml)						
Non-intake	Ref.		Ref.		Ref.	
HFCS HSD						
Slightly	12.49*	(8.62, 16.36)	12.34*	(8.66, 16.03)	11.96*	(8.29, 15.63)
Half-to-heavily	12.79*	(9.79, 15.78)	12.87*	(10.02, 15.72)	12.33*	(9.46, 15.20)
Mixed-sugar BSD	13.67*	(10.54, 16.79)	13.19*	(10.21, 16.18)	12.59*	(9.58, 15.60)
^a Model I was adjusted	d for age,	gender, study are	ea, physic	al activity, total c	alories, d	Irinking and

smoking. bModel II: Model I was adjusted for BMI. Model III: Model II was adjusted for uric acid.



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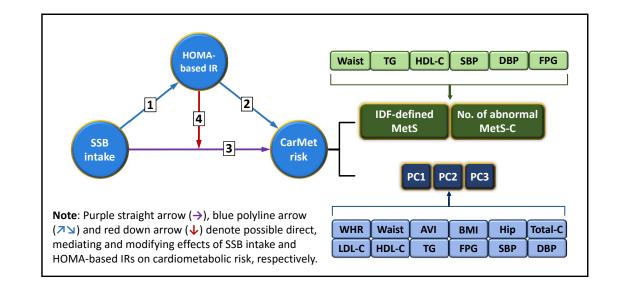
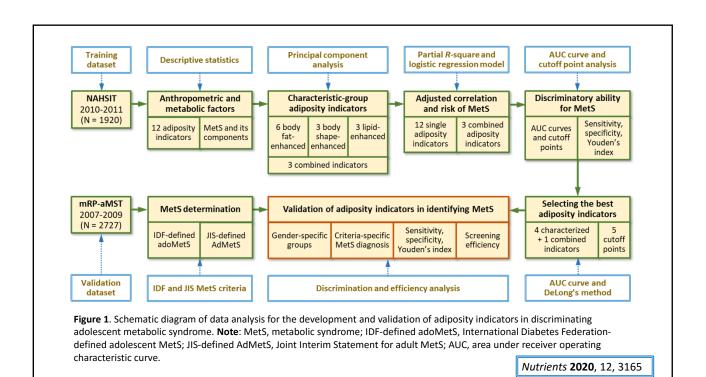


Figure 1. Schematic diagram for possible associations between sugar-sweetened beverage (SSB) intake, homeostasis model assessment (HOMA)-based insulin resistance (IR) and cardiometabolic (CarMet) risk.

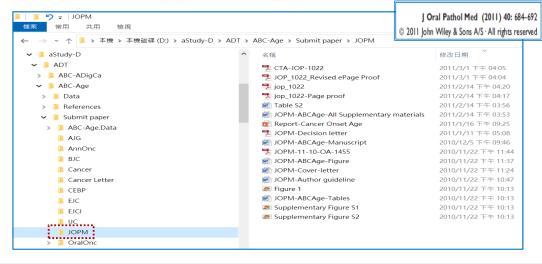
International Journal of Obesity (2021) 45: 828-839.

(25)





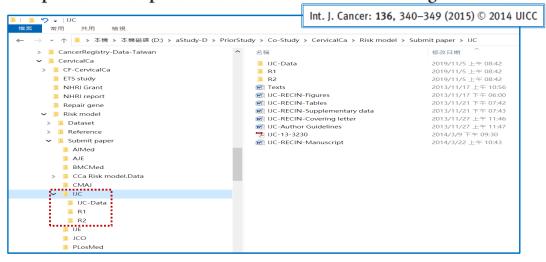
The use of tobacco-free betel-quid in conjunction with alcohol/tobacco impacts early-onset age and carcinoma distribution for upper aerodigestive tract cancer



27

論文共投稿8次,第8次接受修改2次後刊登。

Risk evaluation for the development of cervical intraepithelial neoplasia: Development and validation of risk-scoring schemes



(28)

Ī		Journal Data Filtered By: Selected Categories; NUTRITION & DIETE	FICS Select	ed Edition	ns: SCIE Selected JC	25	22	INTERNATIONAL JOURNAL OF EATING DISORDERS	5.791	1.28	174
T		***************************************				26	23	INTERNATIONAL JOURNAL OF DESITY	5.551	1.2	282
Ī	Rank	Journal name	2021 JIF	2021 JCI	Citable Items	27	24	Current Nutrition Reports	5.537	1.05	39
ı	1	PROGRESS IN LIPID RESEARCH	14.673	1.51	37	28	25	Journal of Nutrition Health & Aging	5.285	1.03	116
	2	Advances in Nutrition	11.567	1.48	180	29	26	Journal of the Academy of Nutrition and Dietetics	5.234	1	167
	3	CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION	11.208	1.19	554	30	27	Journal of Functional Foods	5.223	1.09	469
	4	Annual Review of Nutrition	9.323	1	22	31	28	Obesity Research & Clinical Practice	5.214	0.76	85
3	5	Obesity	9.298	1.62	211	32	29	Beneficial Microbes	5.05	0.87	47
9	6	FOOD CHEMISTRY	9.231	1.89	3,823	33	30	APPETITE	5.016	1.19	534
.0	7	International Journal of Behavioral Nutrition and Physical Activity	8.915	1.63	162	34	31	Journal of the International Society of Sports Nutrition	4,948	1.22	71
.1	8	AMERICAN JOURNAL OF CLINICAL NUTRITION	8.472	1.59	381	35	32	7 1	4.916	0.92	157
2	9	Hepatobiliary Surgery and Nutrition	8.265	1.04	60	36	33	Š	4,893	0.94	369
3	10	NUTRITION RESEARCH REVIEWS	8.146	0.96		37	34	EUROPEAN JOURNAL OF CLINICAL NUTRITION	4.884	0.91	198
4	11	Current Obesity Reports	8.023	1.53	43	38	35	EUROPEAN JOURNAL OF NUTRITION	4.865	1.16	279
.5	12	Food Science and Human Wellness	8.022	1.29	62	39	36	Obesity Facts	4.807	0.81	77
16	13	CLINICAL NUTRITION	7.643	1.59	633	40	37	Nutrition & Diabetes	4.725	1.01	34
17	14	NUTRITION REVIEWS	6.846	0.78	123	41	38	JOURNAL OF NUTRITION	4,687	1.06	417
18	15	Nutrients	6.706	1.09	4,430	42	39	NUTRITION METABOLISM AND CARDIOVASCULAR DISEASES	4.666	0.95	406
19	16	Frontiers in Nutrition	6.59	0.97	1,117	43	40	Nutrition & Metabolism	4.654	0.89	102
20	17	PROCEEDINGS OF THE NUTRITION SOCIETY	6.391	1.42	56	44	41	INTERNATIONAL JOURNAL OF SPORT NUTRITION AND EXERCISE ME	4.619	1.17	56
21	18	JOURNAL OF NUTRITIONAL BIOCHEMISTRY	6.117	1.22	196	45	42		4.539	1.04	721
2	19	FOOD POLICY	6.08	1.69	168	46	43	INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION	4.444	0.76	81
13	20	FOOD REVIEWS INTERNATIONAL	6.043	0.6	212	47	44	Genes and Nutrition	4.423	0.8	19
4	21	ANNALS OF NUTRITION AND METABOLISM	5.923	0.69	83	48	45	JOURNAL OF RENAL NUTRITION	4.354	1.1	83

1		Journal Data Filtered By: Selected Categories: PEDIATRICS Selected E	ditions CO	E Colocted I	CD Voor: 2021 Sc
2		Journal Data Filtered By. Selected Categories. PEDIATRICS Selected E	uitions, sci	E Selecteu I	CK 16a1. 2021 36
3	Rank	Journal name	2021 JIF	2021 JCI	Citable Items
4	1	Lancet Child & Adolescent Health	37.746	7.31	65
5	2	JAMA Pediatrics	26,796		112
6	3	JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT	13.113	2.77	93
7	4	PEDIATRICS	9,703	3.25	577
8	5	World Journal of Pediatrics	9.186		68
9	6	JOURNAL OF ADOLESCENT HEALTH	7.83	1.91	345
10	7	Child and Adolescent Psychiatry and Mental Health	7.494	1.29	78
11	8	Archives of Disease in Childhood-Fetal and Neonatal Edition	6.643	2.38	
12	9	JOURNAL OF PEDIATRICS	6.314	1.93	463
13	10	Paediatric Respiratory Reviews	5.526	1.04	49
14	11	PEDIATRIC ALLERGY AND IMMUNOLOGY	5.464	1.24	164
15	12	EUROPEAN CHILD & ADOLESCENT PSYCHIATRY	5.349	1.33	206
16	13	INDIAN JOURNAL OF PEDIATRICS	5.319	1.21	157
17	14	Journal of the Pediatric Infectious Diseases Society	5.235	1.27	207
18	15	Neonatology	5.106	1.61	124
19	16	ARCHIVES OF DISEASE IN CHILDHOOD	4.92	1.34	289
20	17	DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY	4.864	1.44	187
21	18	Hormone Research in Paediatrics	4.275	0.83	59
22	19	PEDIATRIC NEUROLOGY	4.21	0.96	135
23	20	Child and Adolescent Mental Health	4.111	0.71	38
24	21	PEDIATRIC PULMONOLOGY	4.09	1.06	450

論文寫作

論文寫作會隨著研究精進與同儕討論而成長,是身為研究者的必經之路。與其 避而遠之,不知找出自己的寫作模式, 並享受過程。



Thank you for Listening!

