論文研究與寫作實務(二)

陳甫州 博士

台中榮民總醫院

醫學研究部 幹細胞中心

Abstract

Introduction
(1) (2) (3) (4)

Methods
(1) (2) (3) (4)

Results
(1) (2) (3) (4)

Discussion
(1) (2) (3) (4)
Conclusion

Manuscript Writing Template

Title	
Running title	
Corresponding author	
Authors, institutions & e-mail	1.
	2.
	3.

Results	
Figure 1	
Table 1	
Figure 2	
Table 2	
Materials and Methods	
Method 1	
Method 2	
Method 3	

Introduction	
1. importance & problems	
2. mini review (previous & current)	
3. gap	
4. the present study	

Introduction

- Establish Facts and Problems
- Provide Previous and Current Research
- Locate a Gap to Solve the problems
- Describe the Present work

1

2

A

Previous research

B

C

Current research

D

Backgrounds

Contribution

Staitegy

Intervention

The present study

Assays/outcome

Introduction

Facts and Problems

Facts Pro/Con

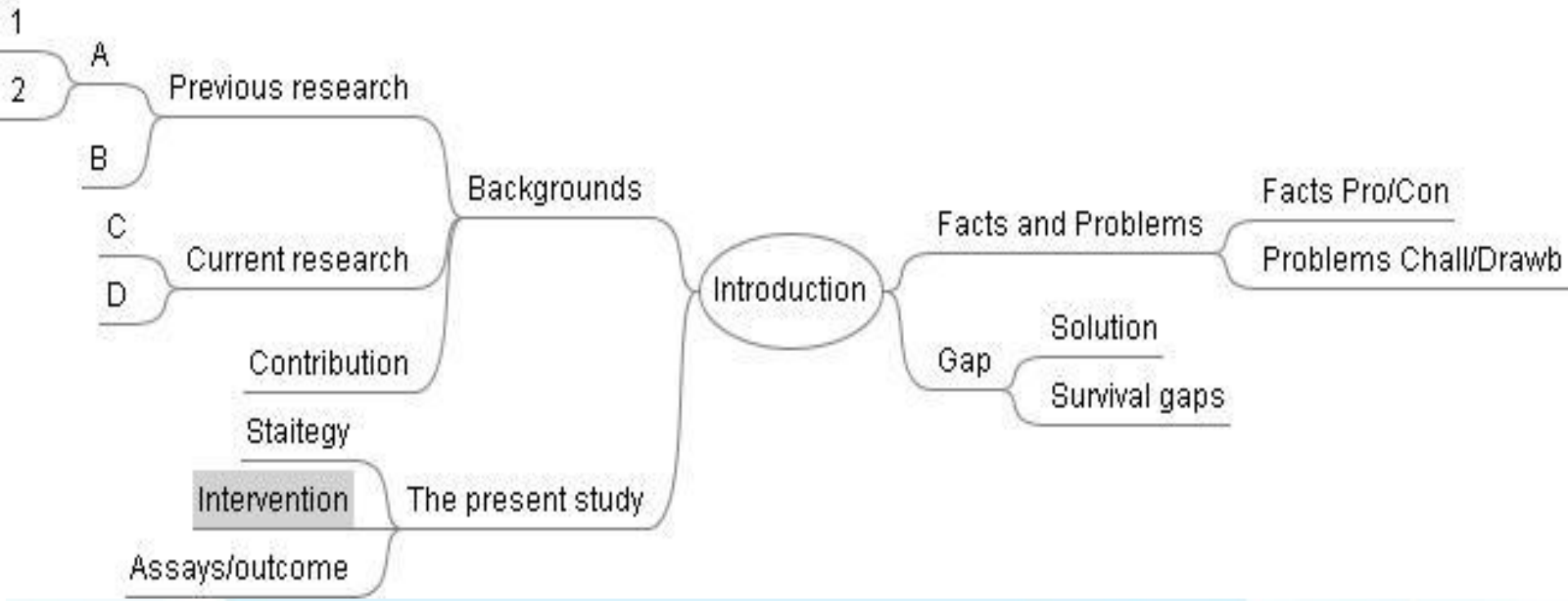
Problems Chall/Drawb

Gap

Solution

Survival gaps

Mind Map


1
2
A
Previous research
B
C
Current research
D
Backgrounds
Contribution
Staitegy
Intervention
The present study
Assays/outcome
Introduction
Facts and Problems
Facts Pro/Con
Problems Chall/Drawb
Gap
Solution
Survival gaps

Mind Map


Mind Map Guidlines
Clarity
heirarchy
order
outlines
Center
Start
image
of topic
at least 3
colors
Style
personal
develop
Use
Links
Colors
Emphasis
images
codes
dimension
Keywords
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lines
organised
central
thicker
more important
outer
thinner
less important
for each
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free flowing
length
same as
word
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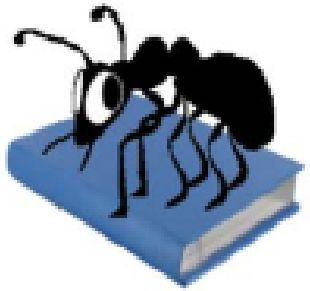
Corpus and Computational Linguistics Research

- Antconc (a freeware, multiplatform tool for carrying out corpus linguistics research and data-driven learning.) (http://www.antlab.sci.waseda.ac.jp/software.html)
- WriteAhead: An Abstracts Writing Assistant System for Academic Writing (http://nlp.cs.nthu.edu.tw/writeahead)
- Corpus (http://corpus.ling.sinica.edu.tw/index.html)



AntConc (Windows, Macintosh OS X, and Linux)

Build 3.2.4

Laurence Anthony, Ph.D.
Center for English Language Education in Science and Engineering, School of Science and Engineering, Waseda University, 3-4-1 Okubo, Shinjuku-ku, Tokyo 169-8555, Japan
October 4, 2011

Introduction

AntConc is a freeware, multiplatform tool for carrying out corpus linguistics research and data-driven learning. It runs on any computer running Microsoft Windows (tested on Win 98/Me/2000/NT, XP, Vista, Win 7), Macintosh OS X (tested on 10.4.x, 10.5.x, 10.6.x), and Linux (tested on Ubuntu 10). It is developed in Perl using ActiveState's PerlApp compiler to generate executables for the different operating systems.

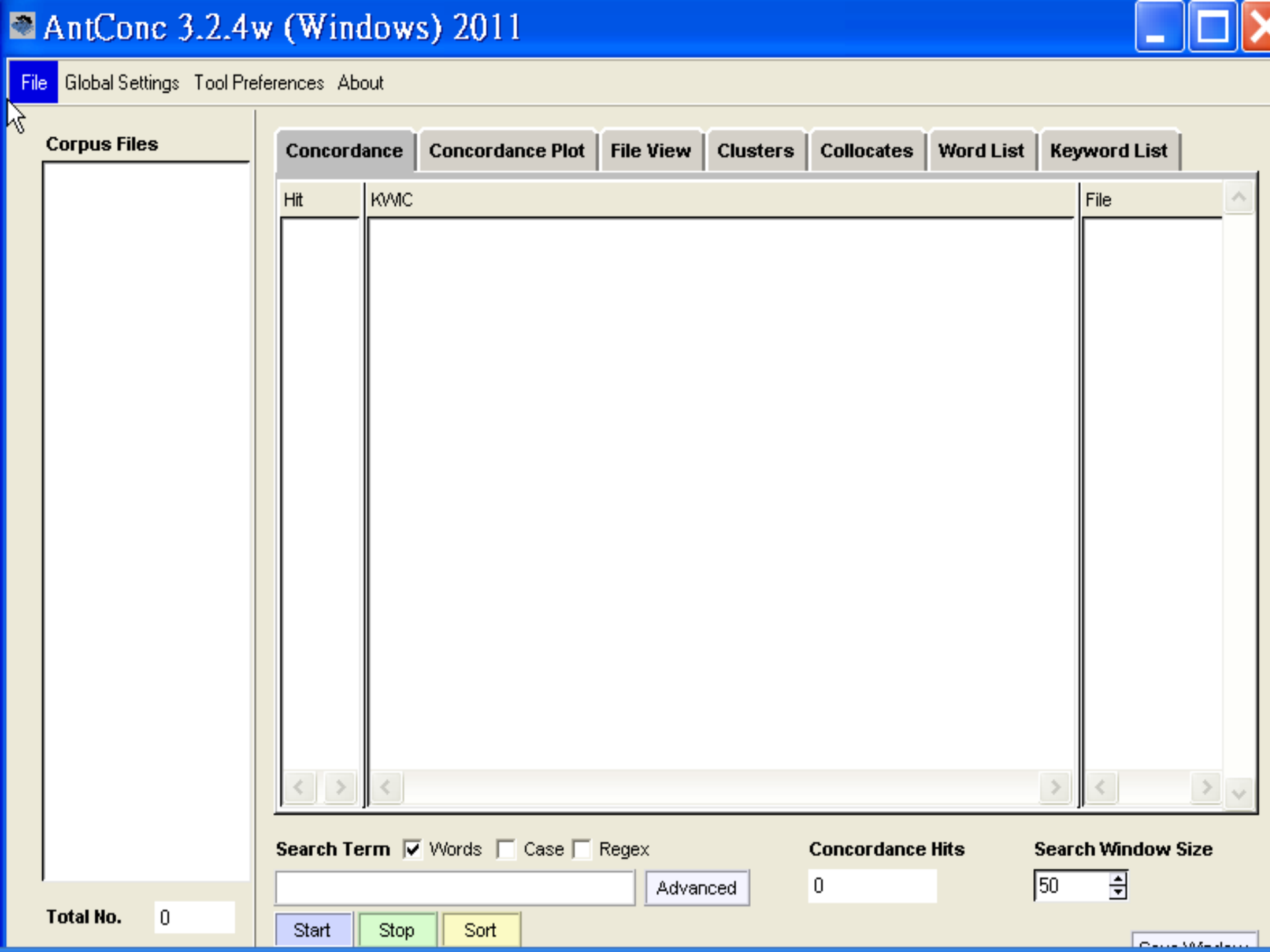
Installation

Windows

On Windows systems, simply double click the *AntConc* icon and this will launch the program. No installation is necessary.

Macintosh OS X

On Macintosh systems, first install and launch X11. X11 is a graphical toolkit that is available on the disks included with the computer or via the Apple website. Next, double click double click the *AntConc* icon and this will launch the program. No installation is necessary.


AntConc 3.2.4w (Windows) 2011
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About
Corpus Files
Total No.
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Concordance
Concordance Plot
File View
Clusters
Collocates
Word List
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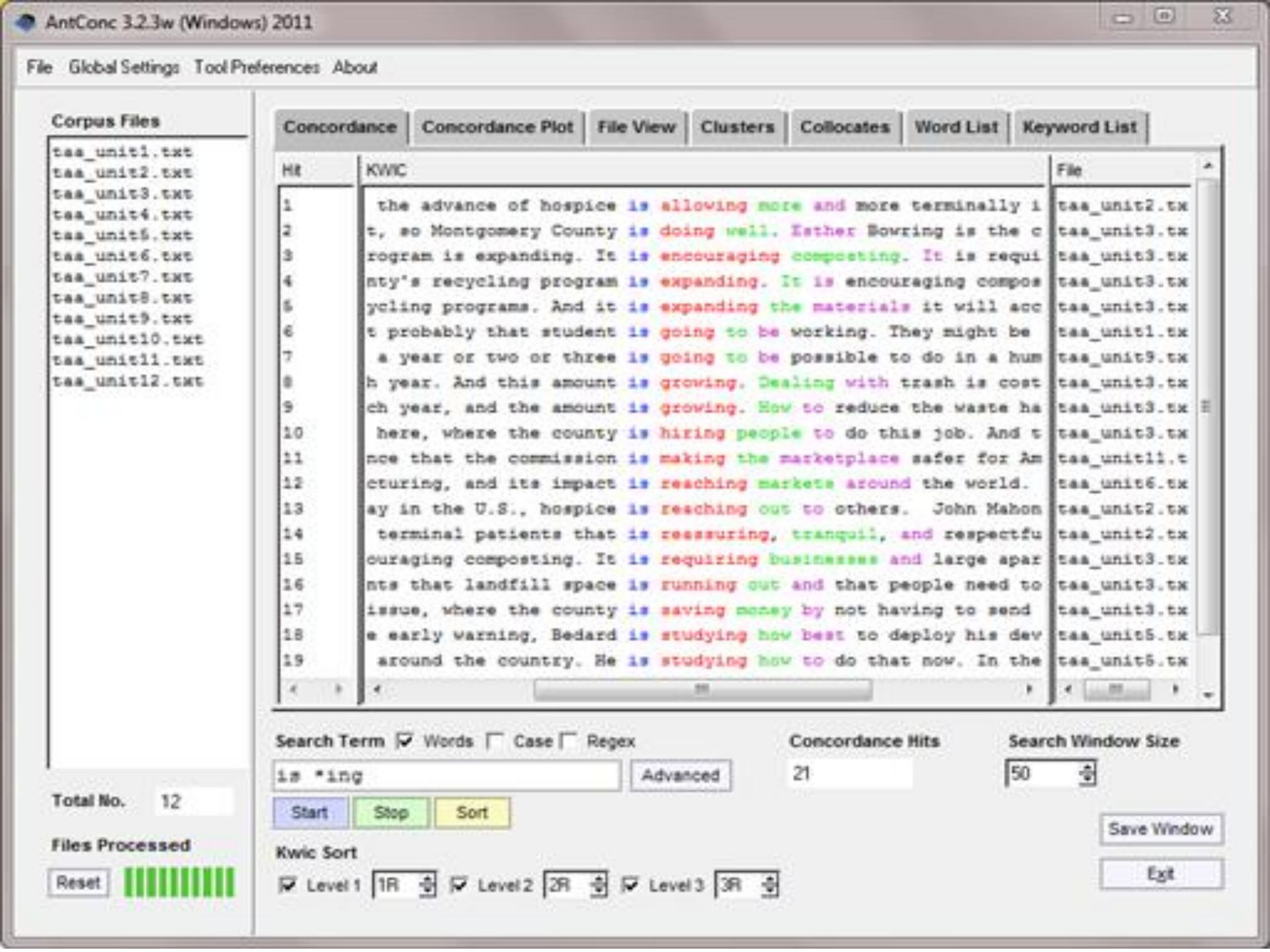
AntConc 3.2.3w (Windows) 2011
File Global Settings Tool Preferences About
Corpus Files
taa_unit1.txt
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taa_unit6.txt
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taa_unit10.txt
taa_unit11.txt
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Word List
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File
1 the advance of hospice is allowing more and more terminally i taa_unit2.tx
2 t, so Montgomery County is doing well. Esther Bowring is the c taa_unit3.tx
3 rogram is expanding. It is encouraging composting. It is requi taa_unit3.tx
4 nty's recycling program is expanding. It is encouraging compos taa_unit3.tx
5 ycling programs. And it is expanding the materials it will acc taa_unit3.tx
6 t probably that student is going to be working. They might be taa_unit1.tx
7 a year or two or three is going to be possible to do in a hum taa_unit9.tx
8 h year. And this amount is growing. Dealing with trash is cost taa_unit3.tx
9 ch year, and the amount is growing. How to reduce the waste ha taa_unit3.tx
10 here, where the county is hiring people to do this job. And t taa_unit3.tx
11 nce that the commission is making the marketplace safer for Am taa_unit11.t
12 cturing, and its impact is reaching markets around the world. taa_unit6.tx
13 ay in the U.S., hospice is reaching out to others. John Mahon taa_unit2.tx
14 terminal patients that is reassuring, tranquil, and respectfu taa_unit2.tx
15 ouraging composting. It is requiring businesses and large apar taa_unit3.tx
16 nts that landfill space is running out and that people need to taa_unit3.tx
17 issue, where the county is saving money by not having to send taa_unit3.tx
18 e early warning, Bedard is studying how best to deploy his dev taa_unit5.tx
19 around the country. He is studying how to do that now. In the taa_unit5.tx
Search Term Words Case Regex
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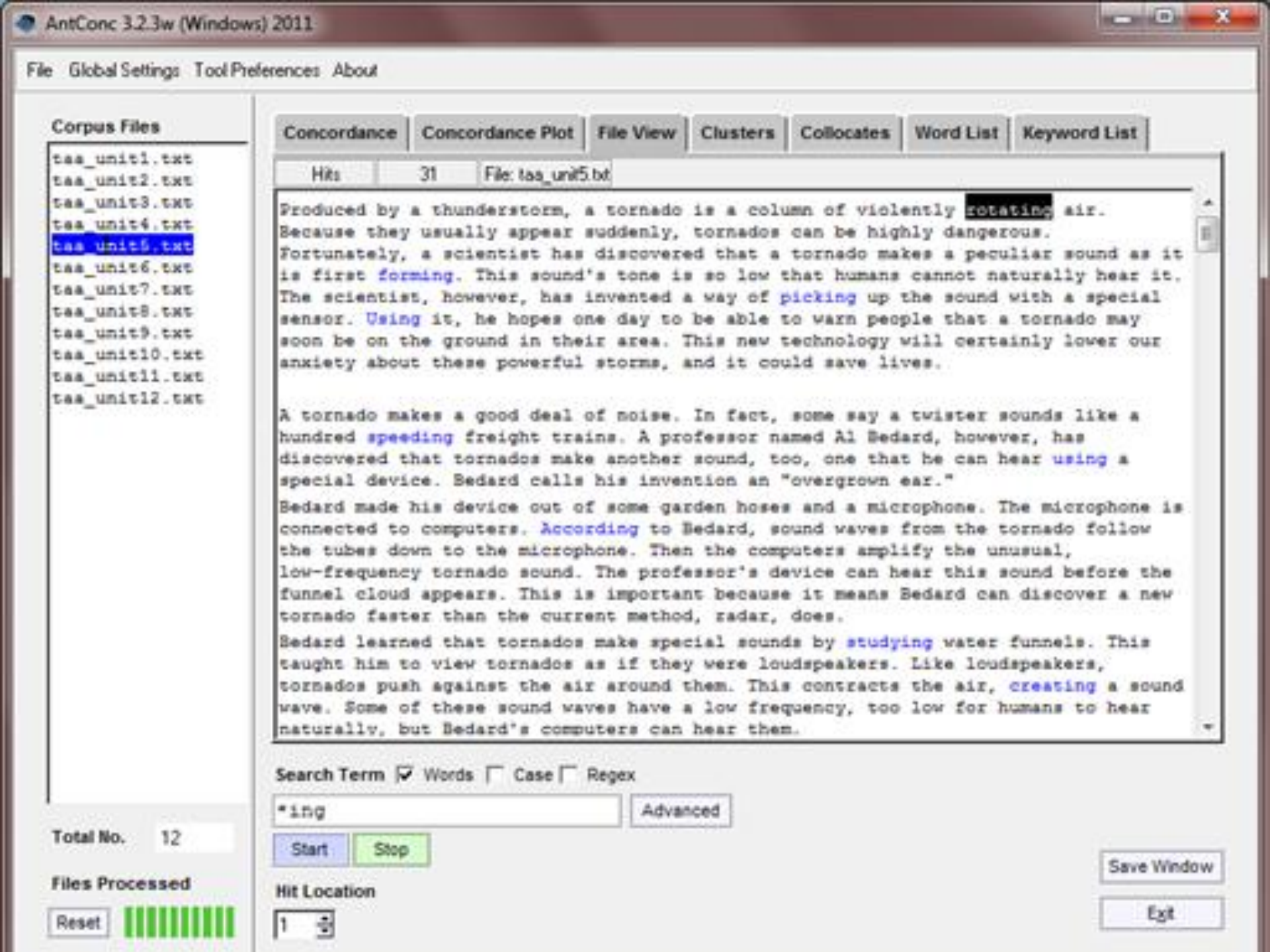
AntConc 3.2.3w (Windows) 2011
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taa_unit7.txt
taa_unit8.txt
taa_unit9.txt
taa_unit10.txt
taa_unit11.txt
taa_unit12.txt
Total No. 12
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Collocates
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Keyword List
Hits 31
File: taa_unit5.txt
Produced by a thunderstorm, a tornado is a column of violently rotating air. Because they usually appear suddenly, tornados can be highly dangerous. Fortunately, a scientist has discovered that a tornado makes a peculiar sound as it is first forming. This sound's tone is so low that humans cannot naturally hear it. The scientist, however, has invented a way of picking up the sound with a special sensor. Using it, he hopes one day to be able to warn people that a tornado may soon be on the ground in their area. This new technology will certainly lower our anxiety about these powerful storms, and it could save lives.
A tornado makes a good deal of noise. In fact, some say a twister sounds like a hundred speeding freight trains. A professor named Al Bedard, however, has discovered that tornados make another sound, too, one that he can hear using a special device. Bedard calls his invention an "overgrown ear."
Bedard made his device out of some garden hoses and a microphone. The microphone is connected to computers. According to Bedard, sound waves from the tornado follow the tubes down to the microphone. Then the computers amplify the unusual, low-frequency tornado sound. The professor's device can hear this sound before the funnel cloud appears. This is important because it means Bedard can discover a new tornado faster than the current method, radar, does.
Bedard learned that tornados make special sounds by studying water funnels. This taught him to view tornados as if they were loudspeakers. Like loudspeakers, tornados push against the air around them. This contracts the air, creating a sound wave. Some of these sound waves have a low frequency, too low for humans to hear naturally, but Bedard's computers can hear them.
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File Global Settings Tool Preferences About

Corpus Files

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Hit	KWIC	File
1	otic mitochondrial magnesium transporter4. Here we determine	Crystal stru
2	Mg21 . The CorA magnesium transporter is a homopentamer wi	Crystal stru
3	. J. The bacterial magnesium transporter CorA can functionall	Crystal stru
4	re ME 1998 The CorA magnesium transporter gene family. Microb	Dual-Functio
5	ologue, a candidate magnesium transporter. Genomics 72:158 ¡V	Dual-Functio
6	ld be expected of a magnesium transporter (Fig. 5). In conson	Identificati
7	edicated mammalian magnesium transporter. The function of Mag	Identificati
8	identified a novel magnesium transporter, probably a channel	Identificati
9	RJ: The bacterial magnesium transporter CorA can functionall	Identificati
10	logue, a candidate magnesium transporter. Genomics 2001, 72:	Identificati
11	E. (1998) The CorA magnesium transporter gene family. Microb	Mg2+ homeost

Search Term ☑ Words ☐ Case ☐ Regex

magnesium transporter | Advanced

Concordance Hits 11

Search Window Size 50

File Global Settings Tool Preferences About

Corpus Files

Changes in brai
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Archives of Bic

Concordance | Concordance Plot | File View | Clusters | Collocates | Word List | Keyword List

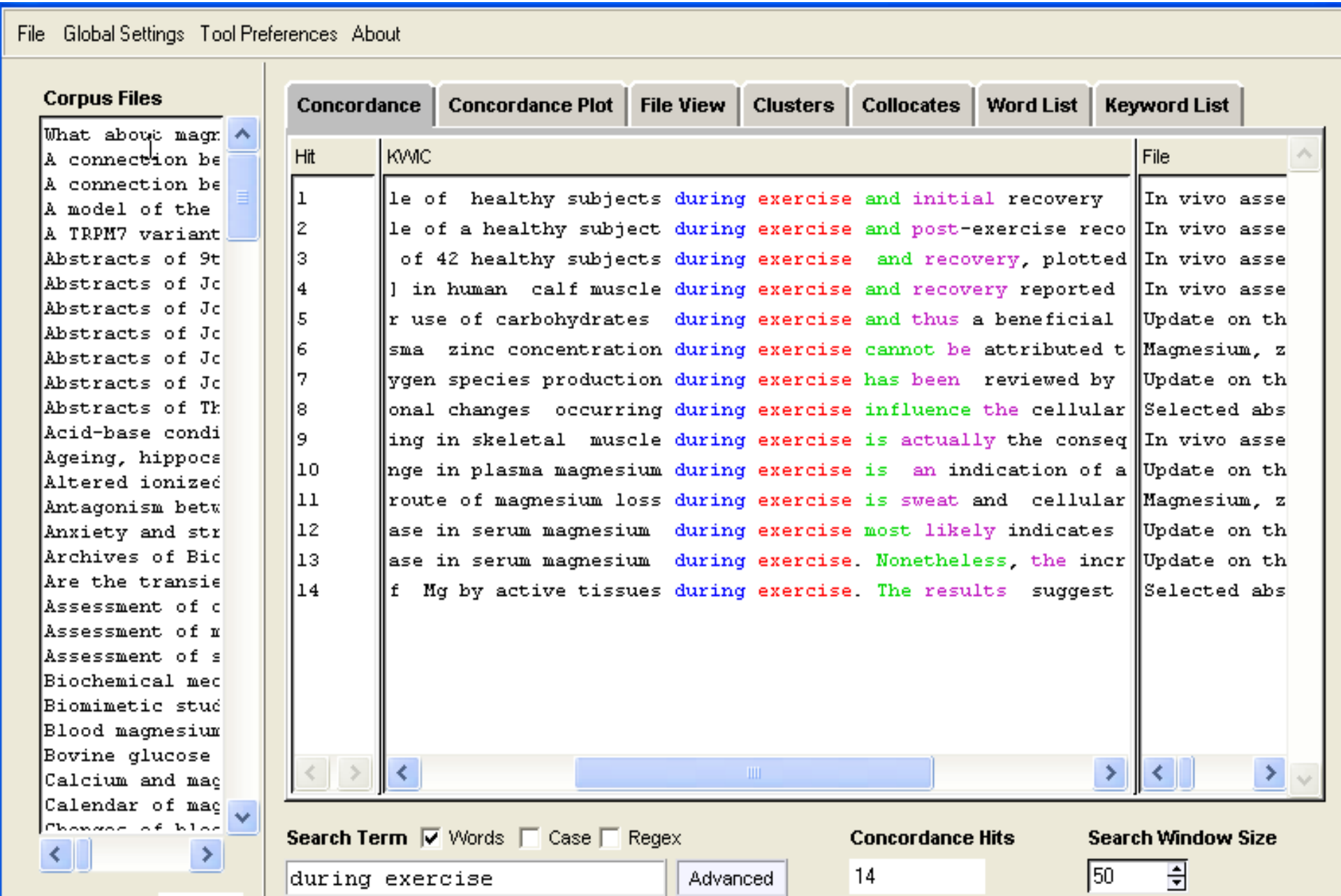
Hit	KWIC	File
123	ne-Delalande B. Loss of MAGT1 abrogates the Mg2+ flux	Loss of MAGT
124	of the Mg2+ transporter MAGT1 as the cause of this d	Loss of MAGT
125	d an Mg2+ flux through MAGT1 that was important for	Loss of MAGT
126	we ruled out large MAGT1 in T cell signaling +	Loss of MAGT
127	nt in both patients in MAGT1, a gene coding for a M	Loss of MAGT
128	on of the exon 7 of MAGT1 and induced the splicing	Loss of MAGT
129	led to a decrease of MAGT1 mRNA of .80 % by nonse	Loss of MAGT
130	leading to the loss of MAGT1 protein expression in th	Loss of MAGT
131	sion in the patients. MAGT1 deficiency impairs TCR-in	Loss of MAGT
132	about the function of MAGT1 in lymphocytes prior to	Loss of MAGT
133	AL. 293T) showed that MAGT1 induces a highly selecti	Loss of MAGT
134	ich was consistent with MAGT1 as a Mg2+ transporter i	Loss of MAGT
135	defect and the loss of MAGT1 in the patients, we loo	Loss of MAGT
136	h ectopic expression of MAGT1, restoring the TCR-induce	Loss of MAGT
137	results established that MAGT1 mediated the Mg2+ influx	Loss of MAGT
138	cell activation. Thus, MAGT1 deficiency was the proba	Loss of MAGT
139	of PLC 1 activation in MAGT1-deficient patients Sinc	Loss of MAGT
140	Mg2+ influx mediated by MAGT1 after TCR stimulation wa	Loss of MAGT
141	d for by overexpressing MAGT1 in the B cell line [21	Loss of MAGT

Search Term ☑ Words ☐ Case ☐ Regex

MagT1 Advanced

Concordance Hits 263

Search Window Size 50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A model of the
A TRPM7 variant
Abstracts of 9t
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Bovine glucose
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Word List
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KWIC
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1 le of healthy subjects during exercise and initial recovery In vivo asse
2 le of a healthy subject during exercise and post-exercise reco In vivo asse
3 of 42 healthy subjects during exercise and recovery, plotted In vivo asse
4] in human calf muscle during exercise and recovery reported In vivo asse
5 r use of carbohydrates during exercise and thus a beneficial Update on th
6 sma zinc concentration during exercise cannot be attributed t Magnesium, z
7 ygen species production during exercise has been reviewed by Update on th
8 onal changes occurring during exercise influence the cellular Selected abs
9 ing in skeletal muscle during exercise is actually the conseq In vivo asse
10 nge in plasma magnesium during exercise is an indication of a Update on th
11 route of magnesium loss during exercise is sweat and cellular Magnesium, z
12 ase in serum magnesium during exercise most likely indicates Update on th
13 ase in serum magnesium during exercise. Nonetheless, the incr Update on th
14 f Mg by active tissues during exercise. The results suggest Selected abs
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during exercise
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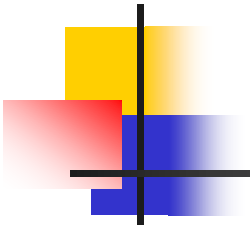


Provide Previous and Current Research

- PREVIOUS RESEARCH
- CURRENT RESEARCH
- CONTRIBUTIONS

The literature review

- References to previous & current research wherever it is useful
- References to research
- Providing a transition between previous and current research
- Arranging the order of all references
  - Chronological
  - Different approaches/models
  - General/Specific to your own

Literature review

- Achieve address adopt
- Analyse apply argue
- Assume attempt calculate categorise
- Carry out choose claim classify
- Collect compare concentrate (on)
- Conclude conduct confirm consider
- Construct correlate deal with debate

Achieve

KWIC

he H. RUBIN mitotic cycle in order to	achieve	the maximum effect on the initiation
tion in Mg2+ concentration was required to	achieve	inhibition. As it turned out, it was
ultifunctional second messenger as Ca2+ can	achieve	specificity in signal transduction [98,
%. Commercial pipettes (Brand, Germany) can	achieve	errors of less than 0.2%, so such ac
ratories can see ISO 15189 as a guide to	achieve	accreditation and to begin to practice
of treatment. Moreover, this allowed us to	achieve	low Mg plasma levels clinically releva
The average dose of imipramine required to	achieve	a beneficial effect on depressive symp
a simplistic approach that does not always	achieve	desired outcomes. Several barriers exis
tion. Common practices used by athletes to	achieve	a target weight can lead to Mg defic
reduction are common practices in judo to	achieve	a target weight [9], which can lead
their diet or magnesium supplementation to	achieve	a normal magnesium status for health.
deficiency Several factors are needed to	achieve	and maintain magnesium balance. Figure
per min). The parameters were adjusted to	achieve	normocapnia, which was controlled by g
used to adjust meals or insulin doses to	achieve	a blood * Corresponding author. Tel.
arameters of the DIAS model were tuned to	achieve	a better agreement between blood gluco
be assessed how much insulin is needed to	achieve	normal BG, e.g. 5 mmol:l. In Fig.
least partly, for their genetic defect and	achieve	relief of clinical symptoms. TRPM6

Compare

Hit	KWIC
1	ients with MVPS and 30 healthy individuals, to compare the Mg levels in their blood plasma and lysat
2	. The aim of the present review was to compare MgSO4 and MgCl2 effects in order to an
3	, the aim of the present review was to compare the properties and the effects of both
4	cross- sectional population-based study to compare 192 individuals with metabolic syndrome
5	cient mice. The resulting data enable to compare amounts of specific RNAs between RNA sa
6	his technique can be usefully applied to compare intestinal Mg absorption between a large
7	ed Wilcoxon signed-rank test was used to compare values between before and after treatmen
8	s between before and after treatment. To compare Erc-Mg values between ADHD and control
9	y design making it difficult to directly compare outcomes. Broadly, however, five studies
10	ncountered, and hence it is difficult to compare outcomes. Eight focal ischaemia studies
11	mental pollution. The aim of this study was to compare the content of calcium, magnesium, and phosph
12	and. The aim of the research undertaken was to compare the effect of various microelements applied
13	6] and JAS McGuigan (unpublished) and 2) compare the values of [Mg2+] and [Ca2+] estimat
14	l analyses, a two-way ANOVA was used to compare the data with diet as a between- group
15	tlasImage (Clontech) software was used to compare gene expression profiles between the two
16	h normovolemic haemodilution, but they did not compare these changes with the degree of blood dilut
17	nt group and placebo treatment group, to compare the pre and post treatment values of c.
18	nonparametric conditions respectively. To compare the pretreatment values of VEP parameter
19	sis, a general linear model was used to compare each voxel within each image data set
20	ing t statistics for dependent groups to compare pre and post treatment images of the p
21	nt group and placebo treatment group, to compare the pre and post treatment values of c.
22	nonparametric conditions respectively. To compare the pretreatment values of VEP parameter
23	sis, a general linear model was used to compare each voxel within each image data set
24	ing t statistics for dependent groups to compare pre and post treatment images of the p
25	ns on the incidence of AF, yet did not compare different forms of such a treatment. Fu
26	rimental approach but it is difficult to compare the results between these studies becaus
27	using the Shapiro-Wilk test. In order to compare data of normal distribution. Wilcoxon pa

Previous/Current Research

- Define demonstrate describe
- Design detect determine discover
- Discuss enhance establish estimate
- Evaluate examine explain explore
- Generate identify illustrate
- Improve incorporate indicate

determine

KWIC

rszawa, Poland. The aim of the study was to	determine	the influence of compost produced from munic:
Olsztyn, Poland. The aim of the study was to	determine	the effect of magnesium application (50 and .
ztyn, Poland The purpose of the study was to	determine	the effect of organic-mineral and mineral fe:
ztyn, Poland The purpose of the study was to	determine	the effect of organic-mineral and mineral fe:
ent. Enzymatic in vitro digestion was used to	determine	percentage of released minerals. On average
t of drinking water have been shown to	determine	the concentration of plasma-Mg in anima.
or conversely, changes in Mg¡PATP could	determine	the activity of PKA and TRPM7¡¦s endog
wska A, Maciejewski J. A prospective study to	determine	the significance of ventricular late potenti:
synthesis. The aim of our work was to	determine	the influence of sodium fluoride on th
strowski The aim of this study was to	determine	the effect of coffee intake on the le
zin¡¦ska The aim of this study was to	determine	the level of Ht, Hb, Mg in erythrocyt
nce (ANOVA), Fisher¡¦s PLSD was used to	determine	significant differences in multiple comp:
erythrocyte Mg content, we attempted to	determine	Mg fluxes in erythrocytes from tumor-be:
Counter, Strasbourg, France) was used to	determine	hematological parameters. In order to ol
al magnesium load test was performed to	determine	whether migraineurs had a disorder of
ences. It seems therefore necessary to	determine	the therapeutic index (LD 50 / ED 50)
icient rats, this study was designed to	determine	whether endotoxin directly enhances nitr:
ible for iNOS gene induction [23]. To	determine	the involvement of the above LPS recep
entrifuged at 1000 x g for 10 min. To	determine	Mg2+, the supernatant was diluted with
The aim of the present study was to	determine	whether there is a difference in eryth:
etric method using spectrofluorimeter. To	determine	the fluorescence ratio correlating with
strowski The aim of this study was to	determine,	the effect coffee intake on content o
ezin¡¦ska The aim of the study was to	determine	level of Ht, Hb, Mg in erythrocytes a
rats [37]. Their study was designed to	determine	whether chronic Mg sulfate administratio
a Some investigators have attempted to	determine	whether high serum cholesterol levels c
lood should be performed, i.e. find and	determine	free and bound forms of Mg(II) ions a
st technique using Mg stable isotope to	determine	intestinal Mg absorption and urinary ex

Improve

KWIC

of other minerals like Mg, Fe, and Zn may also	improve	haematopoiesis and oxidative stress because b
(NA) may reduce cardiac arrhythmias and	improve	the prognosis of heart failure. It is
elet effect, oral Mg therapy has been shown to	improve	endothelial function significantly in patient
water. may be a useful natural drink to	improve	lipid metabolism and to prevent atherosc
minerals like Mg, Fe, and Zn may also	improve	haematopoiesis and oxidative stress becau
UDRAY, ET AL. verify this hypothesis and	improve	our understanding of the significance of
Postnatal MgSO4 infusion is safe and can	improve	short-term outcome in infants with sever
r brain damage, enter injured tissue and	improve	neurologic outcomes [29]. These results
minerals like Mg, Fe, and Zn may also	improve	haematopoiesis and oxidative stress becau
ll against damage caused by ischemia and	improve	its ability to resist the effects of c
ar disease [39]. Moreover, Mg supplements	improve	diabetic state. Eight elderly, moderately
lism Some diabetic treatments appear to	improve	Mg metabolism. Ewis showed a state of
;¦Onofrio F. Dietary magnesium supplements	improve	B-cell response to glucose and arginine
Two polyol, low digestible carbohydrates	improve	the apparent absorption of magnesium but
sium therapy (magnesium polygalacturonate) may	improve	the function of the antioxidant system in hyp
values (11/19), while only 8/19 did not	improve	or improved with a decrease in Erc-Mg
s and magnesium salt administration could	improve	motor outcome [11]. One of the most im
was found, psycho- stimulants are used to	improve	mental health, probably through increasin
supplementation during pregnancy did not	improve	pregnancy outcome. Between 13 and 24 we
drug mixture, among other things, could	improve	the absorption of magnesium [22]. Furthe
ure elevation and cardiovascular disease. Mg++	improve	lipid metabolism through the activation of LC
of combined magnesium/mild hypothermia to	improve	patient outcome following cerebral ischae
of particular importance to significantly	improve	our understanding of the cellular basis
atment could easily be applied either to	improve	the recovery after noise induced hearing
ogical states including hypomagnesemia. To	improve	the general health state, it is necessa
2+ supplementation has been documented to	improve	flow mediated brachial vasodilation (endo
homeostasis in large populations [5]. To	improve	the understanding of the genetic factors

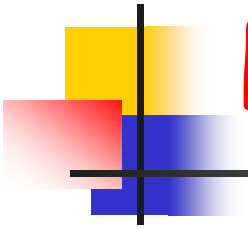
Previous/Current Research

- Interpret introduce investigate
- Measure model monitor note
- Observe overcome prefer perform
- point out predict present produce
- Propose prove provide publish
- Put forward realise recognise
- Recommend record report reveal

perform

KWIC

Analysis System (SAS) system was used to	perform	the statistical analyses. A conditional
metric assay (i-Ca) (Bayer Diagnostics). To	perform	Erc-Mg measurements, red blood cells (R
ts indicate that the choline exchanger can	perform	Mg2+ efflux via choline/Mg2+ exchange.
alleviated muscle spasms occurring with intense	perform	vigorous physical activity, and physical exer
hem. Fertilization also uses micro-elements that	perform	a lot of important physiological functions a
ould be expected that deficient mice would	perform	poorly in this task. The purpose of
rence (PLSD) test (one-tailed) was used to	perform	individual group comparisons when a sta
nt data on ionized calcium and albumin to	perform	additional analyses. We calculated mea
The function of Na+/Mg2+ antiport is to	perform	efflux of Mg2+, to establish a low an
efflux [2]. The Na+/Mg2+ anti- porter can	perform	28Mg2+/24Mg2+ exchange [2]. Net uptake
S significantly. It would be also of interest to	perform	other tests of nociception regarding the inf
olyte balance. Consequently, the ability to	perform	physical work may be compromised. Many
neurological outcomes. Moreover, we did not	perform	pre-and postoperative neuropsychological
f the present study is that we could not	perform	the assessment of total intracellular M
participant, all the women were advised to	perform	mild to moderate physical activity with
metabolism. It is therefore appropriate to	perform	regression analysis, both with S and M
their relative paucity in the diet and the body,	perform	important roles in regulating whole-body met
of the influence of mineral status on ability to	perform	under conditions that a physically active ind
nevertheless, it is evident that it could	perform	a physiological function within cells t



Previous/Current Research

- Revise review show simulate
- Solve state study
- Support suggest
- Test undertake use utilise

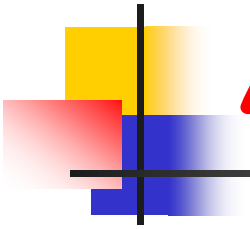
suggest

n the sward samples from the area investigated **suggest** that fertilization and liming treatments on th
Recently, it has been Clinical findings **suggest** that magnesium depletion demonstrated that
weight and energy metabolism, some data **suggest** that this hormone could be involved in
atelet aggregation and arterial thrombosis **suggest** a mechanism for atherothrombotic disease
o an insufficient medical survey. But we **suggest** that the decrease in melatonin levels at
itability, respectively. This leads us to **suggest** the measurement of melatonin, extra-and i
to mag- Such geographical distribution may **suggest** an envi-nesium depletion which may not b
ing quantitative pharmacokinetic models to **suggest** how it would be possible to become subs
nase activity. Taken together, these data **suggest** that TRPM7¡¦s role in cellular ion homeo
ces antidepressant effects in rodents and **suggest** the involvement of this ion in human de
ptoms of migraine and postspinal headache **suggest** a common pathophysiological correlate. Mag
IMVP may predispose to complications. The data **suggest** an autosomal dominant inheritance of IMVP that
d cardiac skeleton. Recently published reports **suggest** an autosomal dominant inheritance of the trait
yperlactataemia [27, 51]. Cohen et al. [28] **suggest** that metabolism in IMVP is associated with inc
sma in the two groups. These results strongly **suggest** a MD in MVPS and indicate the low level of use
ol group who received a placebo. These results **suggest** that the lessening of symptoms could be due to
ients. Certain clinical features in both groups **suggest** a relationship between these two pathological
lled water (control group). These results **suggest** that .deep sea water. may be a useful
ween [Mg2+]c and Mg2+ flux thus obtained **suggest** that Mg2+ extrusion is steeply regulated
tered Ca EP metabolism. Our results also **suggest** that higher levels of Mg may prevent th
ts of bone loss [13]. These observations **suggest** that Mg bone, and plays important roles
high P diet. The results of this study **suggest** that increased dietary Mg supplementation
n the intestinal lumen [18]. Our results **suggest** that dietary Mg supplementation decreased
less of circulating PTH concentration. We **suggest** that suppression of bone resorption with
h P diet. In other words, these results **suggest** that bone resorption induced by a high
group. The results in the present study **suggest** that high Ca intake had no preventive e

Locate a Gap to Solve the problems

- LOCATE A GAP IN THE RESEARCH
- DESCRIBE THE PROBLEM YOU WILL ADDRESS
- PRESENT A PREDICTION TO BE TESTED

GAP/QUESTION/PROBLEM /CRITICISM



- Ambiguous computationally demanding
- Confused deficient doubtful expensive
- False far from perfect ill-defined
- Impractical improbable inaccurate
- Inadequate incapable (of)
- Incompatible (with) incomplete
- Inconclusive inconsistent

Inadequate

KWIC

associated with increased morbidity and	inadequate	asthma control, and has an important n
ore often than once weekly may indicate	inadequate	control of asthma [151]. Anti-asthma
emonstrating that the association between	inadequate	mineral consumption and higher blood pr
nd its decrease in ischemia may suggest	inadequate	ATP synthesis, and lower level of ATP
ant women is frequently seen because of	inadequate	or low intake of magnesium. Magnesium
cs) are apparently especially vulnerable to an	inadequate	magnesium status. Magnesium supplementation
mobilization is impaired when dietary zinc is	inadequate.	Similarly, small increases or decreases in
nesium requirement to a point where intake is	inadequate	and thus results in a sub clinical or defici
d magnesium requirements, such that intake is	inadequate	for maintaining an optimal magnesium status.
ng about 250 mg magnesium/day (most likely an	inadequate	intake), a greater increase in peak knee-ext
ould be a reason for defi ciency, not only an	inadequate	intake. Further work is needed to test this
e of 4.40 mmol (107 mg) magnesium/d is	inadequate	for postmenopausal women because of cha
health outcomes that may be affected by	inadequate	magnesium intakes, such as hypertension,
to establish whether naturally occurring	inadequate	intakes of magnesium increase calcium r
caused by increased bone resorption and	inadequate	bone formation during remodeling [14, 3
e of 4.40 mmol (107 mg) magnesium/d is	inadequate	for postmenopausal women. Because 5% of
tes mellitus type I or type II consume	inadequate	amounts of Mg2+ [182]. Alternatively, r
in fractional magnesium excretion may be	inadequate	and magnesium balance may become positi
that hypomagnesemia could be linked to	inadequate	£]-cell compensation. Key words: beta-
that hypomagnesemia could be linked to	inadequate	£]-cell compensation. To the best of
that hypomagnesemia could be linked to	inadequate	£]-cell compensation. Acknowledgments
ans, and in definitively concluding that	inadequate	dietary magnesium significantly contribut
depletion with age (in addition to the	inadequate	dietary intake) are a decreased Mg abs
cits with aging. Primary Mg deficit	-Inadequate	Mg nutrient intake. -Reduced efficiency
n that low serum Mg levels as well as	inadequate	dietary Mg are strongly related to low
esting that the long-term consequence of	inadequate	Mg availability in human fibroblast cul
ion. and may also result in delayed or	inadequate	angiogenesis [79. 80]. Such effects cou

inconsistent

KWIC

action to higher hemodilution, which is **inconsistent** with the findings of others [14, 15].
sic effects. However, such effects of Mg are **inconsistent** with the observations by Ko et al. [33] w
low prevail. Although the literature is **inconsistent**, several histological and physiological
elk@erciyes.edu.tr> Abstract. There are **inconsistent** findings about the efficacy of magnesi
er placebo could be documented. Due to **inconsistent** findings from multiple trials, the evi
elk@erciyes.edu.tr> Abstract. There are **inconsistent** findings about the efficacy of magnesi
er placebo could be documented. Due to **inconsistent** findings from multiple trials, the evi
sium variations induced by exercise are **inconsistent**. Partially, such heterogeneity can be
trials and clinical studies have been **inconsistent** in showing that dietary magnesium defi
id composition may be a factor in the **inconsistent** response to marginal magnesium deprivat
to 11 &gU/mL [4]. However, there are **inconsistent** results concerning the effect of [Mg2+
83, 130-134, 146]. The conclusions are **inconsistent**. For criticism see [28, 133]. Associat
tion in the studied group seems to be **inconsistent** with the higher HDL concentration in
ncreasing Ca and/or Mg intake can show **inconsistent** results, i.e. both rising and falling
to 11 &gU/mL [4]. However, there are **inconsistent** results concerning the effect of [Mg2+
83, 130-134, 146]. The conclusions are **inconsistent**. For criticism see [28, 133]. Associat
trials and clinical studies have been **inconsistent** in showing that dietary magnesium defi
id composition may be a factor in the **inconsistent** response to marginal magnesium deprivat
tion in the studied group seems to be **inconsistent** with the higher HDL concentration in
e to magnesium of essential hypertensives is **inconsistent** and heterogeneous.31,32 Blood pressure in s

- …present study. However, seafood is more expensive than other foods in Taiwan…
- ..erythrocytes is determined by comparatively expensive methods requiring specialized staff.
- ..these studies would be longer and be more expensive.
- ..a relatively simple nutrient, relatively non-expensive and easy to administer, with relatively …
- ..living tissues in situ, but it remains an expensive research-based tool [1], while for routine ..
- ..a relatively simple nutrient, relatively non-expensive and easy to administer, with relatively..

Describe the Present work

- the paper itself
- details about the methodology
- announces the findings

the Present work

- What its purpose or focus is,
- What its structure is
- The Present Simple Tense
  - This paper is organized as follows..
  - This study focuses on..
- The Past Simple Tense
  - The aim of this project was…

- This paper introduces a scheme which solves these problems.
- The approach we have used in this study aims to…
- This study investigated the use of…
- In this report we test the hypothesis that…
- This paper is organized as follows:…

Some more examples

- This paper focuses on…
- The purpose of this study is to describe and examine…
- In order to investigate the biological significance…
- In this paper we present…
- New correlations were developed with excellent results…
- In the present study we performed…

Magnesium supplementation, metabolic and inflammatory markers, and global genomic and proteomic profiling

- Magnesium is an essential mineral in whole grains, leafy green vegetables, legumes, and nuts that acts as a cofactor in hundreds of enzymatic reactions in the human body.
- A considerable body of evidence indicates that a higher intake of dietary magnesium may favorably affect a cluster of metabolic and inflammatory disorders including insulin resistance (1), hypertension (2), dyslipidemia (3), type 2 diabetes (4), metabolic syndrome (5), and cardiovascular disease (6).

Magnesium supplementation, metabolic and inflammatory markers, and global genomic and proteomic profiling

- Inverse cross-sectional and prospective associations with intermediate metabolic biomarkers for these disorders, including triglycerides (3), low HDL cholesterol (3), fasting insulin (4), markers of inflammation, and endothelial dysfunction (7, 8), have also been reported in observational settings.
- Experimentally, a diet low in magnesium led to impaired insulin secretion and glucose uptake (9, 10) as well as acute inflammation (11) in animal models, and in vitro studies suggested that the balance of extra- and intracellular Mg^{2+} in pancreatic b cells may be important in the regulation of insulin secretion (12).

Introduction	
1. importance & problems	Magnesium is an essential mineral in whole grains, leafy green vegetables, legumes, and nuts that acts as a cofactor in hundreds of enzymatic reactions in the human body. A considerable body of evidence indicates that a higher intake of dietary magnesium may favorably affect a cluster of metabolic and inflammatory disorders including insulin resistance (1), hypertension (2), dyslipidemia (3), type 2 diabetes (4), metabolic syndrome (5), and cardiovascular disease (6).
2. mini review(previous & current)	Inverse cross-sectional and prospective associations with intermediate metabolic biomarkers for these disorders, including triglycerides (3), low HDL cholesterol (3), fasting insulin (4), markers of inflammation, and endothelial dysfunction (7, 8), have also been reported in observational settings. Experimentally, a diet low in magnesium led to impaired insulin secretion and glucose uptake (9, 10) as well as acute inflammation (11) in animal models, and in vitro studies suggested that the balance of extra- and intracellular Mg^{2+} in pancreatic cells may be important in the regulation of insulin secretion (12).

Magnesium supplementation, metabolic and inflammatory markers, and global genomic and proteomic profiling

- However, the underlying molecular mechanisms for the observed metabolic effects of magnesium remain unclear.
- Because of limited and conflicting data from randomized clinical trials (13–17), whether magnesium supplementation can be effective in improving metabolic and inflammatory profiles in apparently healthy individuals at risk of metabolic abnormalities remains uncertain.
- Moreover, none of the few randomized studies have applied a systems-biology approach to examine the mechanistic effects of magnesium supplementation on gene expression and protein profiling.

Magnesium supplementation, metabolic and inflammatory markers, and global genomic and proteomic profiling

- Therefore, to comprehensively investigate potential biological effects of oral magnesium supplementation in relation to metabolic biomarkers and global genomic and proteomic profiles, we conducted a randomized, controlled, crossover trial in apparently healthy, overweight individuals.



Introduction.	
1. importance & problems.	Magnesium is an essential mineral in whole grains, leafy green vegetables, legumes, and nuts that acts as a cofactor in hundreds of enzymatic reactions in the human body. A considerable body of evidence indicates that a higher intake of dietary magnesium may favorably affect a cluster of metabolic and inflammatory disorders including insulin resistance (1), hypertension (2), dyslipidemia (3), type 2 diabetes (4), metabolic syndrome (5), and cardiovascular disease (6).
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3. gap.	However, the underlying molecular mechanisms for the observed metabolic effects of magnesium remain unclear. Because of limited and conflicting data from randomized clinical trials (13–17), whether magnesium supplementation can be effective in improving metabolic and inflammatory profiles in apparently healthy individuals at risk of metabolic abnormalities remains uncertain. Moreover, none of the few randomized studies have applied a systems-biology approach to examine the mechanistic effects of magnesium supplementation on gene expression and protein profiling.
4. the present study.	Therefore, to comprehensively investigate potential biological effects of oral magnesium supplementation in relation to metabolic biomarkers and global genomic and proteomic profiles, we conducted a randomized, controlled, crossover trial in apparently healthy, overweight individuals


Introduction
Results
Methods
Discussion

Materials and Methods

- Study design is selected & the subjects (patients, animals) to be studied are defined.
- Interventions (treatment) are decided on in detail.
- Measurements and other observations to be made.
- Statistical procedures/limitations for assessment of data.

Results

- Overview of results
- Viewing results
- Key results in detail
- Problems with results

Manuscript Writing Template

Title	
Running title	
Corresponding author	
Authors, institutions & e-mail	1.
	2.
	3.
	4.

Results	
Figure 1	
Table 1	
Figure 2	

Figure 1.

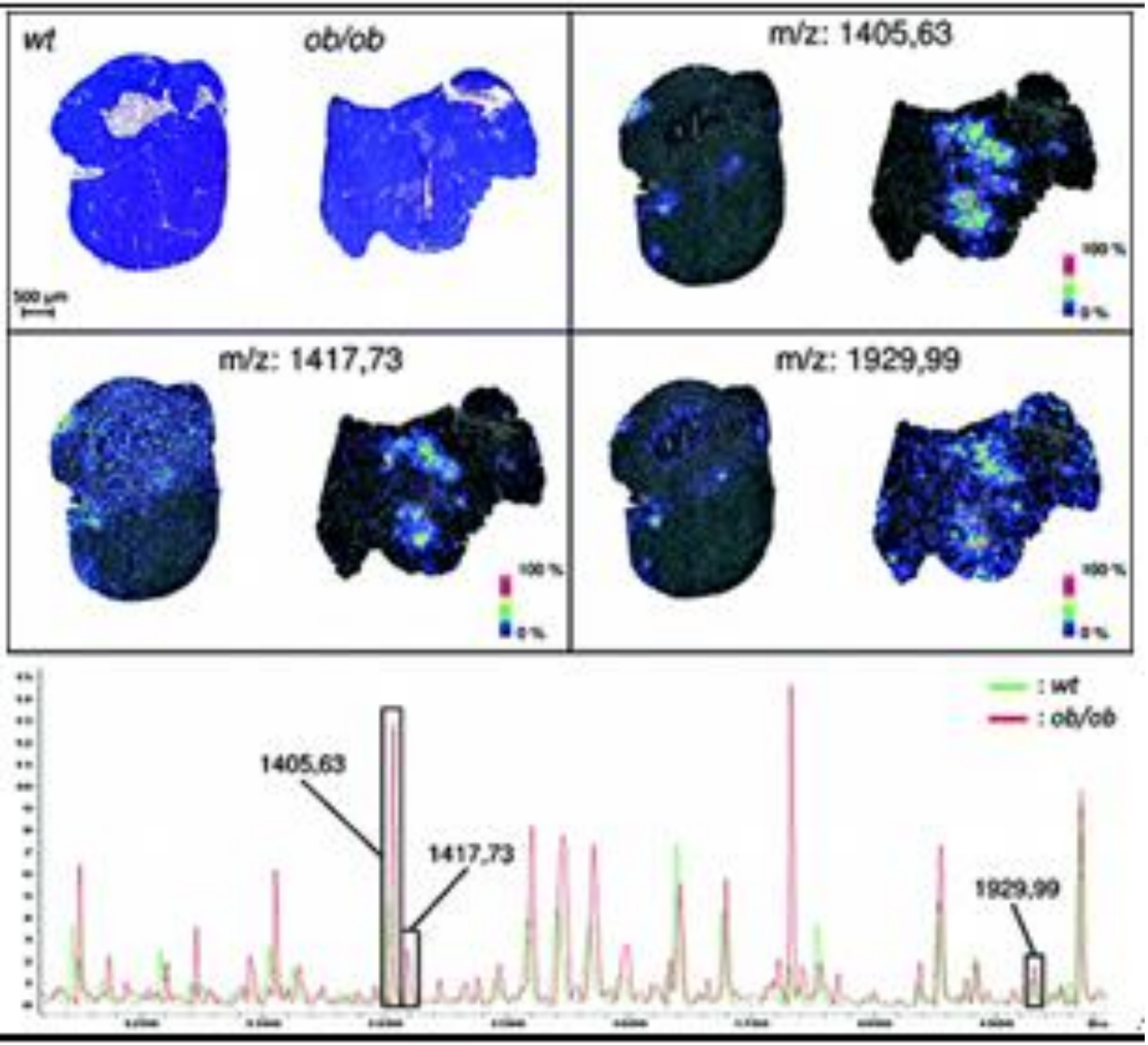
wt
ob/ob
m/z: 1405,63
m/z: 1417,73
m/z: 1929,99
: wt
: ob/ob
1405,63
1417,73
1929,99

Table-1

TABLE 1. Characteristics of bone calcium and magnesium

	Calcium	Magnesium
Total body content	1300 g	27 g
Per cent of total in bone	99·9%	60%
Other major reserve(s)	none	muscle
Quantity in bone	1300 g	14 g
Quantity in trabecular bone	220 g	3 g
Quantity in cortical bone	1100 g	11 g
Per cent of trabecular bone reserve lost during 1st decade following menopause	50% (110 g)	50% (2·5 g)
Per cent of cortical bone reserve lost during 1st decade following menopause	5% (55 g)	5% (0·55 g)
Total bone loss during first decade following menopause	165 g	2 g
Maximum quantity exchangeable in 24 h	300 mg	160 mg
Per cent of bone content maximally exchangeable per 24 h	0·023%	1%
Shortest time interval to deplete 25% of total bone reserve	3 years	25 days
Conserving mechanisms	Very efficient and finely tuned	Inefficient paradoxical

Sequence

- It was apparent that a reduction in temperature would be a desirable outcome.
- At the beginning the temperature was stable, as predicted.
- The temperature increased to 49℃ and then dropped (but soon, later) to 30℃.
- The temperature dropped sharply when we reduced the pressure.

Frequency

- Without exception/Always
- Generally/Normally/Usually
- Frequently/Often/Commonly
- Sometimes/On some occasions
- Rarely/Seldom
- Barely ever/Almost never
- Never/On no occasion

Quantity

- A considerable amount of residue remained in the pipe. (frequently--high)
- Barely 25 % of the residue remained in the pipe. (occasionally--low)
- Almost all/Almost half of the residue remained in the pipe.

Quantity words

- A great deal, a few, a little,
- Almost, approximately, below,
- Barely, close to, easily, even (higher),
- Far, fewer, hardly, less, marked,
- Most, much, noticeable, over, quite,
- Relatively, Significantly, slight, under,

Size/Quantity

- Increase: Significant, marked, plenty
- Reduce: A few, a little, hardly, only
- Emphasize: Extremely, well, far above
- Similar: Approximately, nearly
- A reluctance to commit oneself: Some, Reasonably, Somewhat, Quite, Moderate

Causality

- It appears that…
- It can be inferred that…
- It may be assumed that…
- There is evidence to indicate that…
- Apparently, there seems to be a tendency to ..
- The evidence suggest that…

Problems with results

- It could be inferred therefore that may have reacted with..
- The results seems to indicate that…
- It is apparent that this type of errors may be contributed by…
- In future, care should be taken in… (further work is planned..)

Discussion

- The heart of the paper
- State the interpretations and opinions, explain the implications of findings and make suggestions for future research
- Outline and organization of discussion
  - Outline items from specific to general
  - Expand each item
  - Cluster map and issue tree…etc

Discussion

- Often begin with a brief summary of the main findings
- Should answer the question stated in the introduction
- Some other items commonly addressed:
  - Limitations of the study
  - Relationship to findings of other research
  - Other research needed

Discussion

- Revisiting previous sections & summarising key results
- Mapping (relationship to existing research)
- Achievement/Contribution refining the implications
- Limitations/current and future work/applications

Discussion (overall)

- State the central conclusion from your data in this study – first paragraph
- Provide evidence-base data from other papers
- Raise viewpoints and findings from your interpretation of these data (do not over-rule)
- Support your hypothesis or tentative mechanisms

Discussion	
1. key results	
2. mapping	
3. achievement or contribution	
4. limitations	
Conclusion	
1. focus on what you did	
2. major findings	
3. forward-looking	
Abstract	
1. Objective	
2. Method and materials	
3. Key results	
4. Conclusion	
Keywords	
Acknowledgement	
1. thank people who helped	
2. financial supports	
3. technical supports	
Key Reference (by EndNote X4)	
1.	
2.	

Conclusion

- A default approach is to treat it as an extended abstract. But this is also an opportunity to be reflective about what you learned, the uncertainties remaining, the links to other problems, etc.
  - **First paragraph: focus on what you did. Begin with "We have used…", "We have investigated…"**
  - **Following paragraphs: one major finding per paragraph. First sentence states the finding, following sentences elaborate.**
  - **Final paragraph: should have some forward-looking perspective. Don't let paper finish on a whimper!**

Abstract

- The first section read and sets the tone of the paper for the editor & reviewers
- A condensed version of the manuscript
  - Objective, method and materials
  - Major observations, Result
  - Conclusion
- Conveys only the essential information & Remove extra words and phrases (<160-300 words)

Abstract

- Abstract is of course the most important part of the paper – many readers will read just that.
- Focus on what is new – essential ideas, essential numbers.
- One fact/idea per sentence. Everything that you would like the casual reader to remember should be there.

Acknowledgments

- A place to thank people who helped with the work but did not make contributions deserving authorship
- Permission should be obtained from people you wish to list
- Sometimes the place where sources of financial support are stated

Acknowledgements

- We thank …(kind supporting or..)
- The study was supported by National Research Council, Taiwan (NSC-99-..) and Taichung Veterans General Hospital and Providence University (TCVGH-PU-99,,,,,).
- The authors thank Dr. … and Dr. … for…

Implications, competing interests & contributions

- Clinical implications & limitations
- The authors declare that they have no competing interests.
- The authors declare no competing financial interests.
- Authors contributions

Authors' contributions

- MERT: Designed and supervised most of the molecular studies; analyzed sequences and interpreted results. Participated in the preparation of the manuscript.
- HAVS: carried out molecular techniques and participated in the analysis of results.
- VJB: carried out immunoassays and interpreted the results.
- MDV: responsible for the clinical aspects of the study, including the recruitment of patients.

Authors' contributions

- JT: Participated in the designed of the study and in the analyses and interpretation of the results. Critical review and edition of the manuscript.
- OMH: Participated in the clinical designed of the study and in obtaining financial support for the study.
- MTAM: responsible for the design of the study and for acquiring financial support. Supervision of the experimental work. Participated in the drafting of the manuscript.

References

- Functions:
  - To give credit
  - To add credibility
  - To help readers find further information
- Importance of accuracy
- Existence of various reference formats
- Availability of citation management software (EndNote XIV)

References

- Extensive literature review & updated
- Read recent research articles & reviews
- Regarding the methodologies, cite original papers
- Match the content mentioned & discussed in the text
- Avoid citation of too many your owns

Typical manuscript format

- Introduction 1 page, 300 words
- Materials 2 pages, 600 words
- Results 2 pages, 600 words
- Figures 1-2 pages
- Tables 1-2 pages
- Discussion 3-4 pages, 900-1200 words

ninja words

A really fast dictionary... fast like a ninja.

look up | random

soda pop

noun

- (regional in US) Any of several sweetened, carbonated beverages.

  "On a hot day, there's nothing I like more than soda pop."

synonyms: pop, soda, fizzy, tonic *more»*

---

pop

noun

- A loud, sharp sound as of a cork coming out of a bottle.

  "Listen to the pop of a Champagne cork."

- (colloquial) an effervescent or fizzy drink most frequently nonalcoholic; soda pop.

Your histor

soda pop
pop
energy drink
energy
crash
jolt
suit
compound
Red Bull
red bull
« »

ninja words

A really fast dictionary... fast like a ninja.

look up | random

energy drink

noun

- A caffeinated soft drink containing added ingredients advertised as increasing alertness, performance etc.

---

soda pop

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- (regional in US) Any of several sweetened, carbonated beverages.

  "On a hot day, there's nothing I like more than soda pop."

synonyms: pop, soda, fizzy, tonic *more»*

Your history

soda pop

pop

energy drink

energy

crash

jolt

suit

compound

Red Bull

writeAhead

An Abstract Writing Assistant System for Academic Writing

参考教科：生命科学 (we also)

Central and peripheral glucose mobilization and utilization are required during exercise and are responsible for exercise efficacy. The aim of this study

単語(Word)

species
study
system
such
showed
some
suggest

片語(Phrase)

構文例 (参考教材)

In addition,
In this study,
In contrast,
In this paper,
In conclusion,
On the other hand

writeAhead

An Abstract Writing Assistant System for Academic Writing

参考単語：生命科学 (allow for)

Central and peripheral glucose mobilization and utilization are required during exercise and are responsible for exercise efficacy. The aim of this study was to monitor dynamic changes in glucose and its metabolites of muscle, blood and brain in exercising rats, simultaneously. Rats were divided into the control and magnesium-supplemented groups. A catheter was cannulated into a jugular vein, two microdialysis probes were implanted in brain and muscle in each rat. Rats were forced exercise on a treadmill at a speed of 20 m·min-1 for 60 min. Dynamic changes of glucose, pyruvate, and lactate concentrations in the blood, muscle and brain were determined before, during, and after exercise for 5.5 hours. In the evaluation of enhanced exercise, magnesium sulfate (90 mg·kg-1, ip.) was administered 30 min before exercise in rats. The newly developed technique will allow for

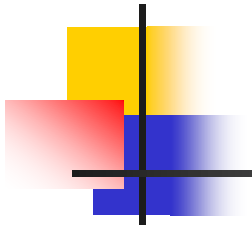
単語(Word)

片語(Phrase)

successful delivery
of thalidomide
such a high-latitude
successful delivery
of
successful delivery
such a

導入語 (参考教材)

In addition,
In this study,
In contrast,
In this paper,
In conclusion,
On the other hand



投稿準備與經驗分享

(Journals and Publication terms)

Key Elements of Publishing

- Ethical Issues
- Style and language
- Structure of paper
- Components of paper
- Article submission/journal selection
- Publisher's process/peer review

Ethical Issues

- Disclosure of Conflict of Interest
- Acknowledgment of funding sources
- Image manipulation guidelines
- Online submission - supplemental information (datasets, videos)
- For Health Sciences
  - Submission of a Clinical Trials to a Central Registry
  - Institutional Review Board approval
  - Animal experiment approval

Manuscript submission

- An appropriate journal
  - Field of interest
  - Quality of paper
  - Impact factor
- Format and style
- Covering letter & running title

Cover letter

- The Editor-in-Chief, April 22, 2009
- Dear Dr. XXX :
- The manuscript entitled "**Magnesium sulfate enhances exercise performance and the availability of blood glucose**" by Ying-Ju Chen, Shen-Ying Chen, Ming-Fu Wang, Mei-Hsiang Hsu, Woei-Ming Liang and Fu-Chou Cheng is submitted as an original research communication in your journal. In the present study, magnesium sulfate enhances exercise performance in the treadmill exercise. In addition, magnesium sulfate raises blood glucose levels above the basal levels which may have contributed to the enhancement in exercise performance. This manuscript, or parts of it, has not been, and will not be submitted elsewhere for publication. We believe the paper may be of particular interest to your readers. Please let me know if any further information of this manuscript needed. You may contact me at the following address and phone number. Peace with joy!
-
- Sincerely yours,
-
- Fu-Chou Cheng

On-line submission

- Web-site and author information
  - Create a personal profile & account
  - User name and passwords
- Personal profiles for all authors
- Manuscript (Text + Figures + Tables)
  - Doc
  - Pdf
- Covering letter, Copyright transfer (original); 3-5 Recommended reviewers
- Confirmation PDF & submit Completion

Editor's decision

- Journal scope and readers
- Satisfactory distribution of topics & authors
- Manuscript's message (originality, novelty, significance)
- Scientific validation and evidence supporting the conclusion
- Quality of the presentation
- Grammatical evaluation

Publication Terminology

- In preparation
- Submission
  - Letter for receipt of manuscript
  - Rejected (Editor-in-Chief, A. Editor)
  - Reviewers & Reviewing process
  - Letter for reviewing results
  - Revision request
- Re-submission (revised)
- Accepted (Notification of acceptance)
- Proofreading (in press)
- Published (reprint, pdf file)

Timing for making decision

- Immediate rejection
- Ask for agreement for reviewing
- Send to reviewers
- Ask the third reviewer
- Making decision
- Current status of the manuscript

Good News

- Unconditional acceptance
- Acceptance with minor revision
  - Correction for spelling and grammatical errors
  - Improving illustration & tables
  - Eliminating unmeaningful statements
  - Shortening text or right fomat

Revising manuscript

- Read comments between the lines
- Point-by-point responses
  - Answer to all comments
  - Answer to the point
  - Point-by-point
- Do not be frustrated by English problem

Major revision… Or,

- Major revision
  - Similar to minor revision
  - Suggestion or comments from reviewers
  - Editor's comments
- Rejection?
  - Can not be accepted at the present form
  - Rejected, but encouraged to resubmit a new version

Manuscript gets reject

- Improper experimental design
- Data not support the conclusion
- Not provide new information (originality, novelty and significance)
- Attitude
  - Not the end of the world
  - Re-submission ?

Rebuttal or appeal for rejection (or revised manuscript)

- Wrong comments from inexperienced referees
- Excellent review comments but wrong decision from editors
- Others


當將你的事交託耶和華，並倚靠他，他就必成全。

After service
fucheng@vghtc.gov.tw