



USING AI IN RESEARCH AND YOUR LEVEL 7 DIPLOMA

MONDAY
19TH FEB
7.30PM

DR
EMMALINE
ASHLEY

CLINICAL TRAINER AND
LEVEL 7 ACADEMIC
LEAD

WWW.ACQUISITIONAESTHETICS.CO.UK/LEVEL-7



HOUSE RULES

While waiting for others to come in, here are some rules and reminders to keep in mind.

01	Turn off your microphone, keep your camera on if you're comfortable.
02	Feel free to type your questions in the chat box.
03	Questions will be entertained at the Q&A after the presentation.

ABOUT ME

I'M EMMALINE, YOUR LEVEL 7 ACADEMIC LEAD

I am also a fellow Level 7 graduate, so I have been exactly where you are now.

My goal is to make getting through the Level 7 Diploma a genuinely enjoyable process that makes you feel confident as an aesthetic clinician.

 [doctor.emmaline](https://www.instagram.com/doctor.emmaline)



DISCLAIMER

I am NOT an AI expert

I have just been using these tools and experimenting with them

Other side of the coin - we can all use these tools



TODAY'S AGENDA

What we'll learn:

01	02	03	04	05	06
Introduction	ChatGPT 4	Research Rabbit	Elicit	Scite.AI	ChatPDF

TODAY'S AGENDA

What we'll learn:

07	08	09	10	11
Semantic Scholar	Powerdrill	Hey Science	Iris.AI	Final Thoughts

The background features a dark blue gradient with several overlapping circular shapes. One prominent circle in the center-left contains a complex, glowing pattern of lines in shades of cyan, magenta, and blue, resembling a neural network or data flow. Other circles in the background show faint grid patterns or abstract line art.

INTRODUCTION TO AI



AI IS EVERYWHERE
AND IT IS
COMPLETELY
TRANSFORMING
THE WAY THE WE
WORK.



Benefits of AI Tools in Research

- AI tools can significantly speed up the research process by automating repetitive tasks and data analysis.
- AI tools can uncover hidden patterns and insights in large datasets, enabling researchers to make more informed decisions.
- AI tools can enhance collaboration among researchers by facilitating knowledge sharing and providing access to a wide range of resources.



Applications of AI Tools in Research

- AI tools can assist in literature review and citation management, helping researchers find relevant studies and organize references.
- AI tools can aid in data collection and analysis, enabling researchers to extract meaningful insights from complex datasets.
- AI tools can support hypothesis generation and testing, assisting researchers in formulating and validating research questions.

AI ETHICS AND REGULATIONS

- As AI becomes more prevalent in our daily lives, it is important to consider the ethical implications of its use.
- It poses risks such as bias, privacy concerns, and job displacement.
- To address these risks, regulations have been put in place to ensure responsible AI development and use.
- Many journals/publications/academic institutions now have AI-detecting software to identify AI-generated texts.
- AI is a tool to be used, not a shortcut or a substitute.



“

**You're not going to be
replaced by AI.
But you will be replaced by
someone who knows how
to use AI.**

02

ChatGPT



How can I help you today?

Recommend activities

for a team-building day with remote employe...

Tell me a fun fact

about the Golden State Warriors

Help me debug

a linked list problem

Make a content strategy

for a newsletter featuring free local weekend ...



Message ChatGPT...



ChatGPT can make mistakes. Consider checking important information.



The Basics

Features and Capabilities

ChatGPT 4 is an advanced AI tool designed to assist researchers in their work. It offers a range of features and capabilities that make it a valuable asset for conducting research.

Natural Language Understanding

ChatGPT 4 excels in understanding and interpreting natural language. It can comprehend complex queries and provide accurate and relevant responses, making it an effective tool for information retrieval.

The Basics

Contextual Understanding

ChatGPT 4 has the ability to understand and maintain context throughout a conversation. It can remember previous queries and responses, allowing for more coherent and meaningful interactions.

Knowledge Base Integration

ChatGPT 4 can be integrated with various knowledge bases and databases, enabling access to a vast amount of information. It can provide accurate and up-to-date facts, making it a reliable research companion.

Benefits for Researchers

1. Time Efficiency

ChatGPT 4 can quickly provide relevant information and answer queries, saving researchers valuable time. It eliminates the need for manual searching and allows for more efficient research processes.

However, be aware that it cannot cite sources and will invent references.

2. Enhanced Accuracy

With its natural language understanding and contextual understanding capabilities, ChatGPT 4 can provide accurate and reliable suggestions and feedback on your writing and ideas.

3. Access to Knowledge Bases

By integrating with knowledge bases via plugins ChatGPT 4 expands researchers' access to information. It can provide insights from various domains and assist in exploring diverse research topics.

Top Tip

- Do not use ChatGPT to create content or writing
- Use it as an editor/fellow researcher you can bounce ideas off of or get to review your work.
- Ask it to critique you, find weaknesses or gaps in your writing, and make suggestions when you're stuck.
- Provide it with the scenario and context, and then give it the data/writing you want help with.





You

You are the editor of a medical aesthetic journal and you are going to review my paper write-up of this data. I would like you to provide feedback and suggestions (very detailed) on ways to improve this paper to make it more likely to be publishable

Learning how to prompt: An example

Set the scene. Describe the context of the situation and the task you are trying to complete. Give ChatGPT a role. The most detailed the better, and you can save this conversation to go back to to continue getting feedback.



ChatGPT

After reviewing your paper titled "[REDACTED]
[REDACTED]" here are some detailed feedback and suggestions for improvement:

Title and Abstract

- **Title:** It is clear and informative. However, consider specifying the key outcome in the title (e.g., "Low Adverse Event Rate").
- **Abstract:** Ensure it encapsulates the study's essence, including methodology, key findings (like the adverse event rate), and implications. The current abstract is missing, which is crucial for readers' initial engagement.

Introduction

- **Background Information:** Well-articulated, providing a good foundation for the study's rationale. Consider briefly mentioning the significance of training academies in the context of HA filler use.

In this example, ChatGPT is not writing the paper or any content for me, but I am using it to suggest improvements and refinements to an existing paper.

The more detail and context you give ChatGPT, the more specific and helpful its feedback can be.

Let's see how you can use this for your SAQs

Please note, this is a simplified example. The more detail and more sequential prompting you give ChatGPT, the more helpful and specific the advice is.





You

I am a healthcare professional undergoing a postgraduate diploma in aesthetic medicine. As part of this I have to answer short answer questions based on the coursework. I am going to provide you with the detailed course specification for this diploma, and then ask for your help in clarifying what some of the questions are asking. Are you ready for the course specification?



ChatGPT

Absolutely, I'm ready to assist you. Please provide the detailed course specification for your postgraduate diploma in aesthetic medicine, and I'll do my best to help clarify any questions you have.



You



OTHM_L7_Clinical_Aesthetic_Injectable...
PDF



ChatGPT

I have accessed the course specification for your postgraduate diploma in Clinical Aesthetic Injectable Therapies. This comprehensive document outlines the structure, objectives, units, and assessment criteria of the program.

Feel free to ask specific questions regarding the coursework or any clarifications you need on the short answer questions based on this course. I'm here to help!



You

In Unit 4, Learning Outcome 2, my essay prompt is: "Justify appropriate injectable therapies according to presenting anatomy and pathophysiology." Can you help clarify exactly what this question is asking and how best to answer it, based on the document I have provided you?



ChatGPT

In Unit 4, Learning Outcome 2 of your course, the essay prompt "Justify appropriate injectable therapies according to presenting anatomy and pathophysiology" is asking you to do a few specific things:

1. **Understand the Patient's Anatomy and Pathophysiology:** This involves a thorough analysis of the patient's anatomical structure and any pathophysiological conditions they may have. This understanding is crucial as it will guide your choice of injectable therapy.
2. **Select Suitable Injectable Therapies:** Based on your understanding of the patient's anatomy and pathophysiology, you need to identify which injectable therapies (like biologics or dermal fillers) would be most effective. This selection process should be evidence-based and tailored to the unique needs of each patient.
3. **Justify Your Choices:** It's not enough to just choose a therapy; you must also explain why it's appropriate for the patient's specific anatomical and

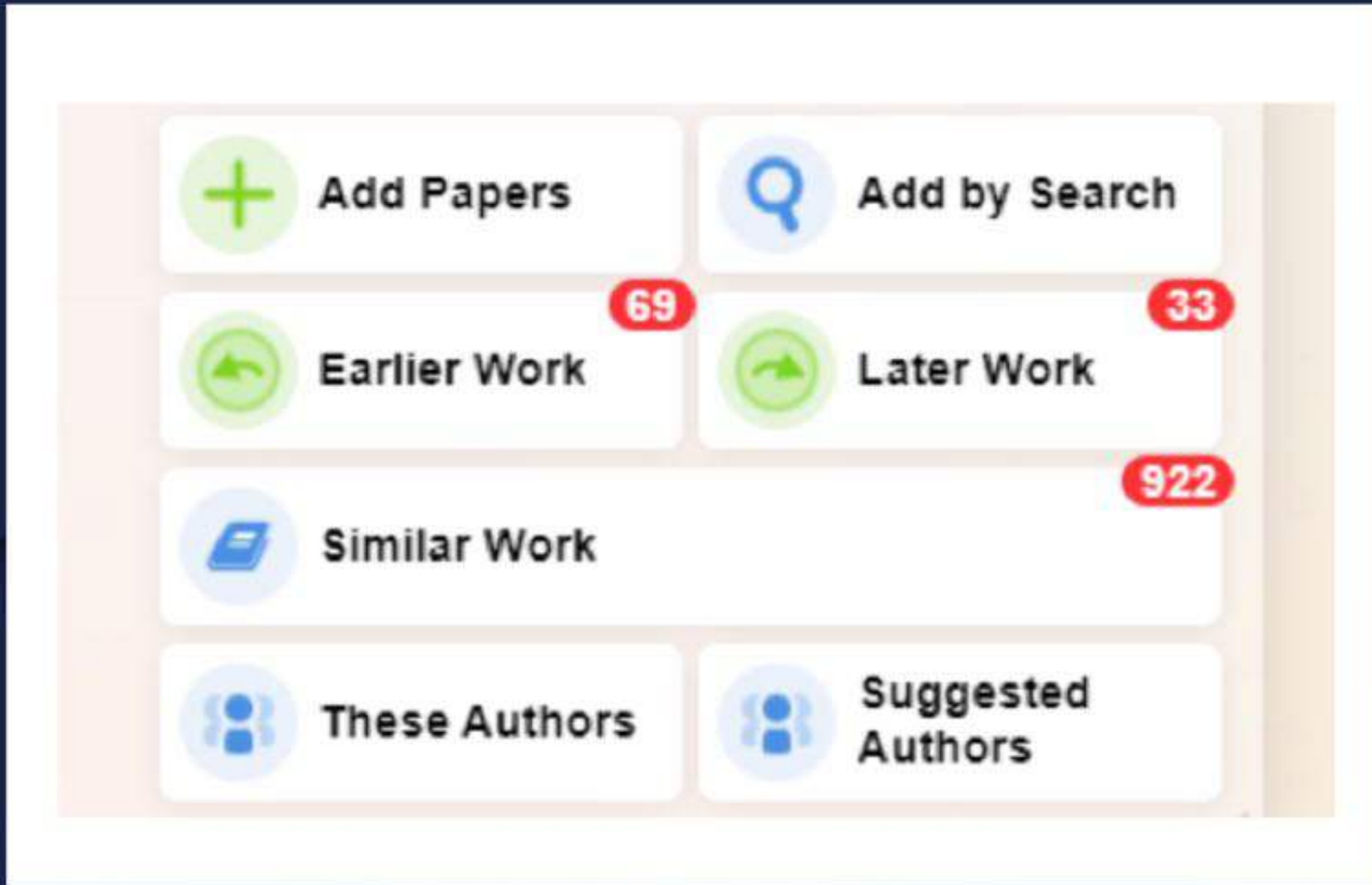
03



ResearchRabbit

SPOTIFY FOR PAPERS

- You can curate groups of papers (for example, create one for each unit of the SAQs)
- Research Rabbit will find related papers



Thesis Review - Laughter

Filter these items: Unsorted
 Abstracts Export: [bib](#) [rfe](#) [json](#)

Yim 2016
Therapeutic Benefits of Laughter in Mental Health: A Theoretical Review.
Strobel Journal of Experimental Medicine
2021 07 28 laughter yoga

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- [Add Papers](#)
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- [Suggested Authors](#)

Similar Work

Filter these items: Relevance
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Mora-Ripoll 2011
Potential health benefits of simulated laughter: A narrative review of the literature and Complementary Therapies at Medicine.
2021 07 28 laughter yoga

Ko Youn 2011
Effects of laughter therapy on depression, cognition and sleep among the community-dwelling
Geriatrics & Gerontology International

Farifeh - Mofid 2014
The impact of Laughter Yoga on the Stress of Cancer Patients before Chemotherapy
Turkish Journal of Cancer Prevention

Shahidi - Honari 2011
Laughter yoga versus group exercise program in elderly depressed women: a randomized
International Journal of Geriatric Psychiatry
2021 07 28 laughter yoga

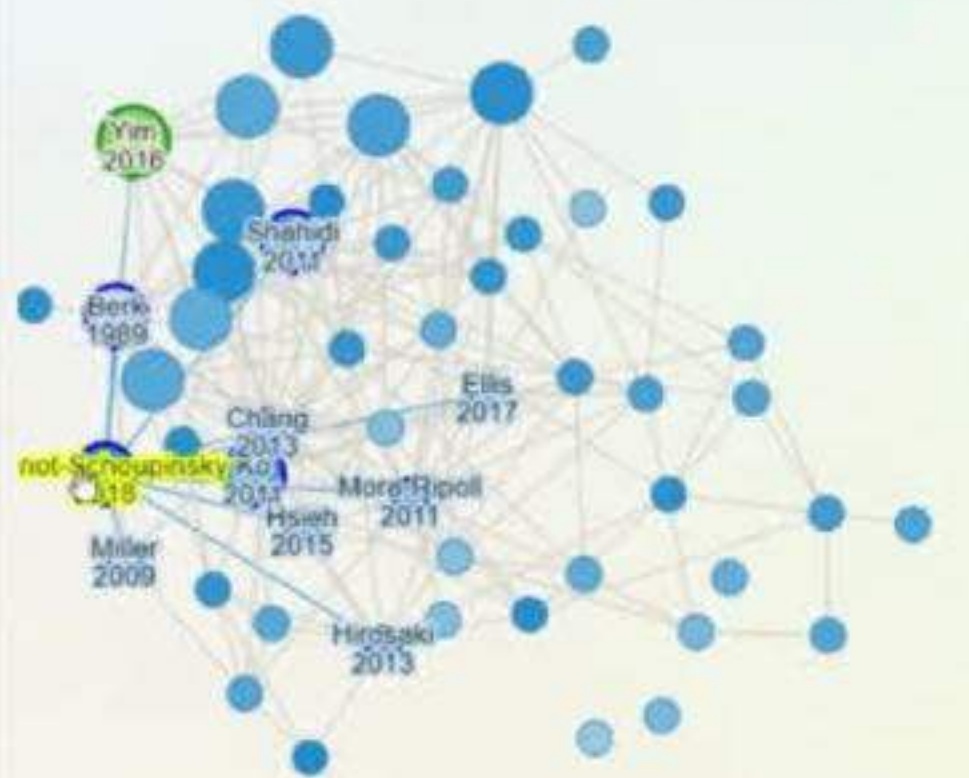
Martin 2001
Humor, laughter, and physical health: methodological issues and research findings.
Psychosomatic Medicine

Beckman - Young 2007
Effect of workplace laughter groups on personal efficacy beliefs.

Connections between your collection and 51 papers

Graph Type: Network Timeline Labels: First Author Last Author

Filter these items:



04

Scite.AI

Welcome to scite!

100%

In order to get the most out of scite, we encourage you to:

- Try scite Assistant, a ChatGPT for research with answers from scientific literature →
- Install our free browser extension to see Smart Citations wherever you read research →
- Take a tour of the scite report page to see what was said about a paper's claims →
- Use our unique Citation Statement Search to find expert insights from research papers →

The Basics



Features and Capabilities

scite is a Brooklyn-based organisation that helps researchers better discover and understand research articles through Smart Citations—citations that display the context of the citation and describe whether the article provides supporting or contrasting evidence.

- Think of Scite.AI as a way to see how a paper has been used in the literature.
- Who has cited the paper, and what papers did this piece of research cite?
- This is useful to see if the claims of a paper you are looking at are widely supported in the literature.

Additionally, Scite.AI has a paid for assistant, that will answer any question you have, but only using real academic papers as references.

Reference Check ✓ Upload Successful

15 references detected

0 references with editorial concern (correction etc.)

J Cosmet Dermatol 2017 DOI: 10.1111/jocd.12383 [View full text](#) [Cite](#) [Read how this publication is cited](#)

Noninvasive submental fat reduction using colder cryolipolysis [🔗](#)

Héctor Leal Silva¹, Esther Carmona Hernández², Mariana Grijalva Vazquez³, Sebastián Leal Delgado⁴, Angel I. Blanco⁵

Abstract: Cryolipolysis with colder temperature and reduced treatment time continues to be effective and is safe for noninvasive reduction of the submental fat.

Search references

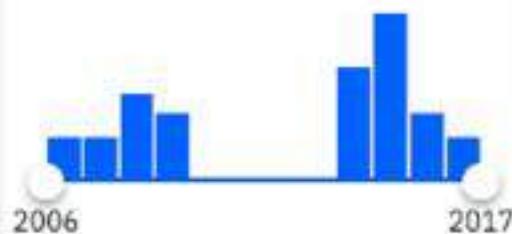
Context, author(s), title ... 🔍

Paper Sections [🔍](#)

Select...

- Discussion 9
- Methods 3

Year Published



Publication Types

Select...

- Article 15

This publication referenced 15 papers in 28 statements

Order By: Editorial concern [▼](#)

Results from a Pooled Analysis of Two European, Randomized, Placebo-Controlled, Phase 3 Studies of ATX-101 for the Pharmacologic Reduction of Excess Submental Fat [show abstract](#)

McDiarmid¹, Ruiz², Lee³ et al. 2014 *Aesth Plast Surg*

[📄 41](#) [👍 0](#) [🔗 66](#) [🔍 2](#)

[View full text](#) [Add to dashboard](#) [Cite](#)

See how it was used (1 reference statement)

Efficacy, patient-reported outcomes and safety profile of ATX -101 (deoxycholic acid), an injectable drug for the reduction of unwanted submental fat: results from a phase III , randomized, placebo-controlled study [show abstract](#)

Ascher¹, Hoffmann², Walker³ et al. 2014 *J Eur Acad Dermatol Venerool*

[📄 88](#) [👍 3](#) [🔗 102](#) [🔍 2](#)

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See how it was used (1 reference statement)

Noninvasive body contouring: cryolipolysis and ultrasound [show abstract](#)

Ortiz¹, Avram² 2015 *Sem Cutan Med Surg*

[📄 11](#) [👍 0](#) [🔗 8](#) [🔍 0](#)

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See how it was used (2 reference statements)

Noninvasive submental fat reduction using colder cryolipolysis [↗](#)

Héctor Leal Silva¹, Esther Carmona Hernández², Mariana Grijalva Vazquez³, Sebastián Leal Delgado⁴, Angel I. Blanco⁵

Abstract: Cryolipolysis with colder temperature and reduced treatment time continues to be effective and is safe for noninvasive reduction of the submental fat.

[Help me understand this report](#)

Search citation statements

Context, author(s), title etc.

Order By: Relevance

Paper Sections [ⓘ](#)

Select...

Discussion 5

[Cited by 14 publications](#) (6 citation statements)



References 22 publications

(35 reference statements)

“...In submental region, a mean reduction of 31.1% on adipose tissue was observed. The use of cryolipolysis to reduce localized fat in this body part was previously studied by other authors and our findings reinforce its efficacy **11-15** . Lipner et al (2018) reported, in a systematic review, percentages of reduction ranging from 20% to 35.2% **13...**”

Section: Discussion [✔ supporting](#) confidence: 85%

Cryolipolysis for local fat reduction in adults from Brazil: A single-arm intervention study

[Gusmão¹](#), [Chojniak²](#), [Gusmão³](#) et al. 2020 *J Cosmet Dermatol*

5 0 4 0

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[show abstract](#)





What are potential risks with industry-funded studies?



Industry-funded studies can present potential risks due to various factors. One risk is the potential for bias in the research findings. Several studies have found that industry-sponsored studies are more likely to have favorable conclusions ^{4,8}. This bias can be attributed to the financial interests of the industry sponsors, as they may have a vested interest in promoting their products or services ^{5,7}. Industry-funded studies may also be more likely to overestimate the effectiveness of interventions or treatments ¹. This bias can lead to misleading or inaccurate information being disseminated to the public and healthcare professionals ⁶.

Another risk associated with industry-funded studies is the potential for conflicts of interest. Conflicts of interest occur when researchers have competing interests that may compromise the integrity of their research ⁵. In the case of industry-funded studies, researchers may have financial ties to the industry sponsors, which can create a conflict between their financial interests and their commitment to conducting unbiased research ^{5,7}. These conflicts of interest can



What do you need help with?



References

Reference #1

“...Or (more plausibly), industry-sponsored studies tend, on average, to overestimate effectiveness through various mechanisms (Lundh et al 2012)- 'industry bias'. A third explanation, 'nonindustry bias', holds that non-industry-sponsored studies tend to underestimate effectiveness; but this explanation is far less plausible than industry bias because mechanisms of industry bias are widely documented (**Sismondo 2008**), while mechanisms of nonindustry bias are not. So allocating some credence to the two plausible explanations, on net we should lower our confidence in a positive industry-funded study in response to the metaevidence....”

Section: The Right Kind Of Causal Comparability Between Groups (From ...

Meta-Research Evidence for Evaluating Therapies

[Jonathan Fuller](#)¹ 2018 *Philos. of Sci.*

8 0 1 0

[View full text](#) [Add to dashboard](#) [Cite](#)

05

Elicit

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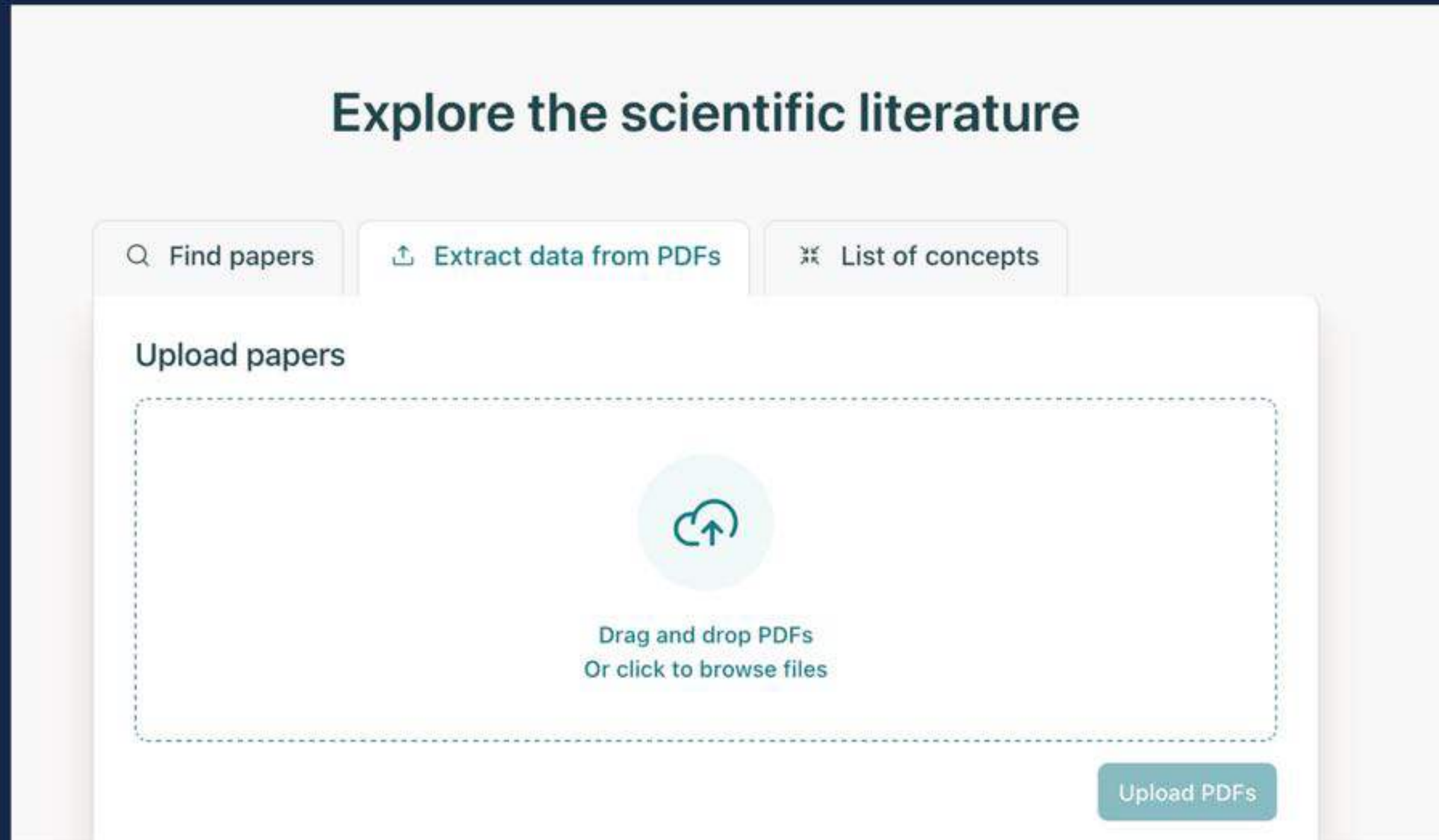
Analyze research papers at superhuman speed

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The Basics

This tool can help analyse the textual data of a paper and even specify the key themes, sentiments, and patterns.



New High Dose Pulsed Hyaluronidase Protocol for Hyaluronic Acid Filler Vascular Adverse Events

 C. Delorenzi

 *Aesthetic surgery journal* 

2017 0 Citations

[Semantic Scholar](#) 

[DOI](#) 

Abstract summary

The risk of vascular embolic events is manageable with careful low pressure, low volume injection technique and adequate preparation for treatment of acute vascular events.

The purpose of this article is to update the changes to the author's protocols used to manage acute filler related vascular events from those previously published in this journal. For lack of a better term, this new protocol has been called the High Dose Pulsed Hyaluronidase (HDPH) protocol for vascular embolic events with hyaluronic acid (HA) fillers. The initial protocol used involved many different modalities of treatment. The current protocol is exceedingly simple and involves solely the use of hyaluronidase in repeated high doses. Despite the simplicity of the treatment, it has proven itself to be very successful over the past two years of clinical use. There has been no partial or complete skin loss associated with this protocol since its implementation if the protocol was implemented within 2 days of the ischemic event onset. The protocol involves diagnosis and repeated administration of relatively high doses hyaluronidase (HYAL) into the ischemic tissue repeated hourly until resolution (as detected clinically through capillary refill, skin color, and absence of pain). The dosage of HYAL varies as the amount of ischemic tissue, consistent with the new underlying hypothesis that we must flood the occluded vessels with a sufficient concentration of HYAL for a sufficient period of time in order to dissolve the HA obstruction to the point

 Ask a question about this paper

Ask

What did they test?

High Dose Pulsed Hyaluronidase protocol for vascular embolic events with hyaluronic acid fillers using a hyaluronidase dose.

What outcomes did they measure?

- Resolution Of Ischemic Tissue
- Capillary Refill
- Skin Color
- Absence Of Pain

Copy 



Who were the participants?

Can I trust this paper?

- No mention found of study type
- Funded by not funded
- No mention found of participant count
- No mention found of multiple comparisons

🔍 Ask a question about this paper

Ask

The purpose of this article is to update the changes to the author's protocols used to manage acute filler related vascular events from those previously published in this journal. For lack of a better term, this new protocol has been called the High Dose Pulsed Hyaluronidase (HDPH) protocol for vascular embolic events with hyaluronic acid (HA) fillers. The initial protocol used involved many different modalities of treatment. The current protocol is exceedingly simple and involves solely the use of hyaluronidase in repeated high doses. Despite the simplicity of the treatment, it has proven itself to be very successful over the past two years of clinical use. There has been no partial or complete skin loss associated with this protocol since its implementation if the protocol was implemented within 2 days of the ischemic event onset. The protocol involves diagnosis and repeated administration of relatively high doses hyaluronidase (HYAL) into the ischemic tissue repeated hourly until resolution (as detected clinically through capillary refill, skin color, and absence of pain). The dosage of HYAL varies as the amount of ischemic tissue, consistent with the new underlying hypothesis that we must flood the occluded vessels with a sufficient concentration of HYAL for a sufficient period of time in order to dissolve the HA obstruction to the point where the products of

Possible critiques

We looked at how this paper, **Delorenzi**, has been cited, but couldn't find any mentions of methodological flaws.

Other citations

Jitaree et al. said:

As shown by DeLorenzi (2017), although the filler can be broken down into small particles, those particles are still too large to penetrate through the capillary wall.

Lee said:

Another article used the term "anti-HYAL enzyme," but the existence of such an enzyme has also not been scientifically proven [3].

Landau et al. said:

Guidelines on how to identify and manage these cases have been repeatedly published.(15) Three unique features challenge the diagnosis and treatment in cases of ischemia, induced by temporal lifting technique:

Show more citations

The purpose of this article is to update the changes to the author's protocols used to manage acute filler related vascular events from those previously published in this journal. For lack of a better term, this new protocol has been called the High Dose Pulsed Hyaluronidase (HDPH) protocol for vascular embolic events with hyaluronic acid (HA) fillers. The initial protocol used involved many different modalities of treatment. The current protocol is exceedingly simple and involves solely the use of hyaluronidase in repeated high doses. Despite the simplicity of the treatment, it has proven itself to be very successful over the past two years of clinical use. There has been no partial or complete skin loss associated with this protocol since its implementation if the protocol was implemented within 2 days of the ischemic event onset. The protocol involves diagnosis and repeated administration of relatively high doses hyaluronidase (HYAL) into the ischemic tissue repeated hourly until resolution (as detected clinically through capillary refill, skin color, and absence of pain). The dosage of HYAL varies as the amount of ischemic tissue, consistent with the new underlying hypothesis that we must flood the occluded vessels with a sufficient concentration of HYAL for a sufficient period of time in order to dissolve the HA obstruction to the point where the products of hydrolysis can pass through the

Q Ask a question about this paper

Ask

06

ChatPDF

Chat with any PDF

Join millions of students, researchers and professionals to instantly answer questions and understand research with AI



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The Basics



This is similar to Elicit.

ChatPDF is an AI-powered app that makes reading and analysing journal articles easier and faster.

Uploading the research paper PDF into the AI software and then start asking it questions.

The app then prepares a short summary of the paper and provides the user with examples of questions that it could answer based on the full article.



Nutrition and skin

Apostolos Pappas¹ · Aikaterini Liakou² · Christos C. Zouboulis³

Published online: 11 July 2016
© Springer Science+Business Media New York 2016

Abstract Nutrition has long been associated with skin health, including all of its possible aspects from beauty to its integrity and even the aging process. Multiple pathways within skin biology are associated with the onset and clinical course of various common skin diseases, such as acne, atopic dermatitis, aging, or even photoprotection. These conditions have been shown to be critically affected by nutritional patterns and dietary interventions where well-documented studies have demonstrated beneficial effects of essential nutrients on impaired skin structural and functional integrity and have restored skin appearance and health. Although the subject could be vast, the intention of this review is to provide the most relevant and the most well-documented information on the role of nutrition in common skin conditions and its impact on skin biology.

Keywords Skin · Nutrient · Diet · Vitamin · Antioxidant · Aging · UV · Acne · Atopic

1 Introduction

The majority of consumers tightly associate good health with nutrition and skin quality. Apparently, most of them also

desire to live longer healthy lives while maintaining a youthful appearance. Epidemiological and clinical studies have successfully linked various nutrients to health benefits in tissues and organs, therefore in overall health and proper physiology. Recent focus in such relations is triggering the interest of the dermatological community, particularly in connections between diet and skin, which have previously been dismissed. A profound number of publications and findings support ideas and validate theories that certain key nutrients are imperative for healthy skin and hair.

2 Deficiencies and essential nutrients

Skin is the largest organ in humans, and collectively and individually, its three layers work towards protecting all of the internal tissues and the vital organs from daily environmental challenges. Skin also plays an important role in regulating body temperature and controlling water loss.

Deficiencies of vitamin A, vitamin C, riboflavin, niacin, pyridoxine, vitamin E, zinc, selenium, and certain essential fatty acids or amino acids have been shown to cause skin and hair anomalies. Although the frequency of nutritional deficiencies is low in the western world, unbalanced and incomplete diets could result from disease, aging, and chemical substance abuse that would certainly influence health and thereby affect the skin health [1, 2]. Adjusting and improving a diet may not only prevent skin and hair problems but, certainly, also correct any potentially underlying condition. Studies investigating the effects of oral supplementation with relatively high doses of vitamins, trace minerals, and fatty acids have demonstrated the possibility that some of these components can modulate skin function and possibly hair health [1, 3]. Reviews on the effect of nutrient supplementation for improving the skin condition and preventing skin diseases have been

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³ Department of Dermatology, Venereology, Allergology and Immunology, Dessau Medical Center, Dessau, Germany

Hello and welcome to this informative PDF file on the relationship between nutrition and skin health! In this document, you will find valuable information on how nutrition can impact the appearance and integrity of your skin, as well as its role in common skin conditions.

- How do essential nutrients play a role in improving skin structural and functional integrity?
- What are some dietary interventions that have been shown to benefit skin health?
- How can antioxidants and vitamins help in protecting the skin from aging and UV damage?

What are some dietary interventions that have been shown to benefit skin health?

Dietary interventions that have been shown to benefit skin health include:

1. Consumption of a diet rich in fruits and vegetables: Fruits and vegetables are primary dietary sources of antioxidants and vitamins that play a significant role in protecting the skin against environmental damage and promoting skin health

2, 3.

07

Semantic Scholar



SEMANTIC SCHOLAR

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The Basics



Semantic Scholar is a free, AI-powered research tool for scientific literature, based at the Allen Institute for AI.

Staying up-to-date with scientific literature is an increasingly pressing challenge for scholars.

With Semantic Scholar, researchers can understand a paper at a glance. Their system extracts meaning and identifies connections from within papers, then surfaces these insights to help Scholars discover and understand research.

DOI: 10.1097/DSS.0000000000003350 • Corpus ID: 245439151

Postmarket Safety Surveillance of Delayed Complications for Recent FDA-Approved Hyaluronic Acid Dermal Fillers

Joel L Cohen, Jessica Hicks, +2 authors B. Andriopoulos • Published in *Dermatologic Surgery* 20 December 2021 • Medicine

TLDR Although delayed nodules and inflammatory events are rare, reports for these events were extracted from the MAUDE database from 2016 to 2020 for HAVLR, HAVOB, HADEF, HARH4, HAREF, and HARH2 (most to least frequent). [Expand](#)

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08

Powerdrill

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The Basics



Powerdrill is a tool designed to help you use your data with artificial intelligence (AI) without needing to write any code. It offers everything you need in one place to connect your data with OpenAI's large language models (LLMs). These are powerful AI systems that can understand and generate human-like text. With Powerdrill, you can easily set up smart question and answer systems and interact with various digital tools and services using your data. This means you can ask complex questions about your data and get understandable answers, or make your data work seamlessly with other online tools and applications, all without needing to be an expert in programming or AI.

> Advanced Analytics



Which cities globally house the most billionaires, and what industries primarily thrive in these locations?

Ask me anything...



09

Hey Science



The Basics



Data-driven confidence to empower your research with our Intelligent Review

Navigating the complexities of journal submissions can be overwhelming. Crafted by fellow academics, our Intelligent Review equips you with insightful analytics and assured quality, freeing you to concentrate on advancing your research.

Basically, this AI acts like a peer-review for any journal articles you might be thinking of submitting.

You can use it for your SAQ coursework as well.

AI Review for your manuscript

Below, you can see what has been highlighted from your manuscript

Review

✓ Ready ^

A GPT review of your paper, trained from thousands of journal and conference reviews

Strengths:

1. The paper provides a comprehensive overview of the role of macronutrients and micronutrients in maintaining skin health. 2. It discusses the potential negative effects of deficiencies in vitamins and trace elements on the skin. 3. The paper highlights the potential benefits of a balanced diet in reducing oxidative stress and inflammation in the skin. 4. It includes information on the dietary sources of various nutrients, such as coenzyme Q10 and antioxidants. 5. The paper acknowledges the limitations and challenges in studying the effects of diet on skin aging and suggests areas for further research.

Weaknesses:

1. The paper does not provide any original research or data, but rather summarizes existing studies and information. 2. It only briefly mentions the potential benefits of dietary modifications in reducing photoaging and protecting against cardiovascular disease. 3. The paper does not discuss the potential negative effects of excess intake of micronutrients in

Aesthetics / Clinical / XX 2024 //
HEAD// Skin and Diet

Extrinsic ageing is characterised by coarse wrinkles and pigmentation. 4 Photo-ageing is a direct consequence of exposure to UV-A and UV-B radiation. UV-A accelerates the hydrolysis of collagen and inhibits the synthesis of hyaluronic acid, which also contributes to the disruption of the dermal extracellular matrix. 7 Increased level of matrix metalloproteinases (MMPs) is a major contributor to this structure loss, as it cleaves collagen. 3 Increased levels of MMPs can be driven by the presence of reactive oxygen species (ROS) and inflammatory cytokines. 1,3,8 UV exposure also leads to the degradation of elastin, leading to the formation

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Iris.AI

**Hi,
I'm Iris.ai**

I speed up your literature review!

TRY ME

The Basics

I am a young artificial intelligence, training to become a researcher myself some day.

I've read millions of research papers already, and when you give me a paper I can find not only what the most important keywords are, but also what other words has been used for the same concepts in other places (contextual synonyms) and what topics the paper falls into (hypernyms). This makes it pretty easy for me to look in the Core database of 77M Open Access papers and find the ones that best matches whatever you show me. I even categorize them for you on-the-fly, so you can more easily navigate them! I work cross-disciplinary across all research, but I like harder sciences best - I just find them a lot easier to understand.

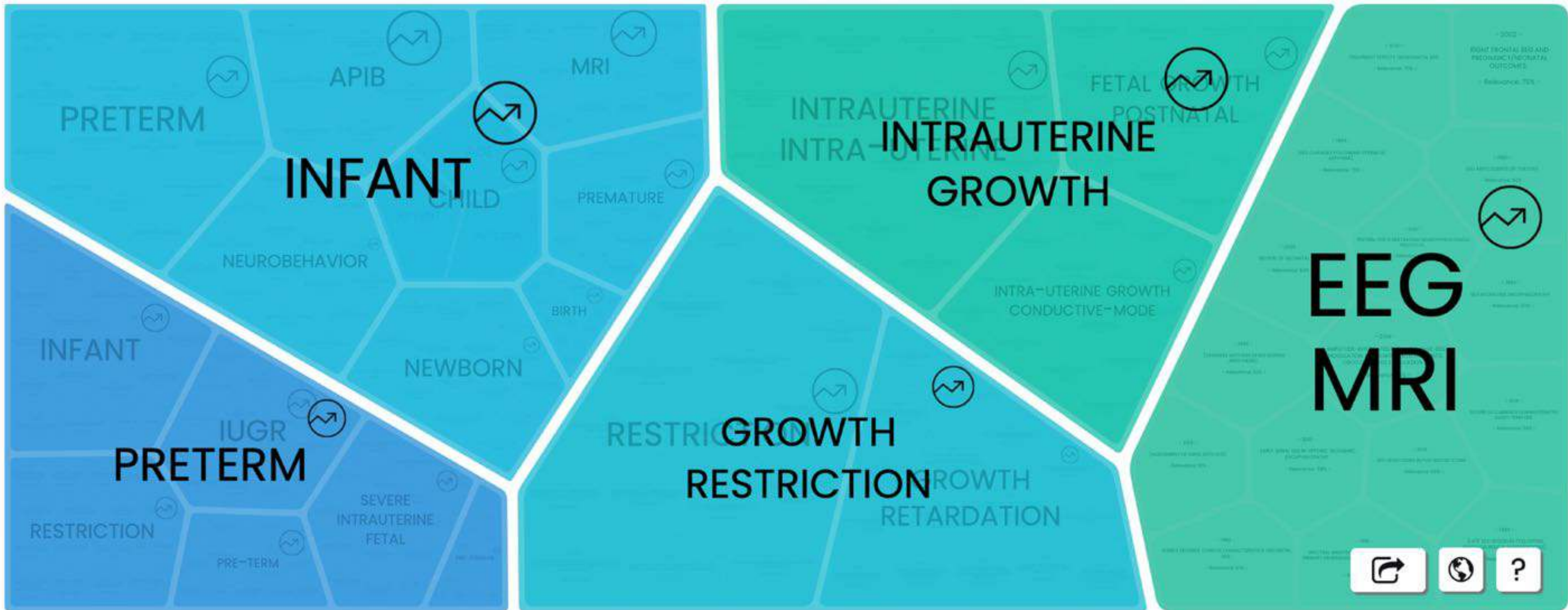
🔍 [v_rtbq996] NIDCAP improves brain function and structure in preterm infants with severe intrauterine growth restriction

I've identified 291 related papers and grouped them by concept.



ALL

📄 OUTPUT SOURCE ⌵ EDIT MAP ⌵ FILTER





THANK YOU!

Email me at
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