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- Switch to another browser
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- Restart your computer/device

Still having issues?

- Call 800-753-2160 (M-F, 8 AM-8 PM ET)
- Email customerservice@AudiologyOnline.com

CONTINUED

CBD and Essential Oils for Hearing Loss, Tinnitus and Vertigo

Robert M. DiSogra, AuD

Audiology Consultant
Millstone, NJ

www.drbobdisogra.com

CONTINUED

Disclosures

- Presenter Disclosure: Financial: Robert M. DiSogra is a consultant. He received an honorarium for this course.
- Non-financial: Robert M. DiSogra has no non-financial disclosures.
- Content Disclosure: This learning event does not focus exclusively on any specific product or service.
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CONTINUED

CONTINUED

Learning Outcome

#1

Recognize the Role that the Food and Drug Administration has in regulating CBD and Essential Oils (EO)

CONTINUED

Learning Outcome

#2

Recognize the potential risks if using CBD oil or an EO when there is no evidence-based research to support the manufacturer's claims

CONTINUED

CONTINUED

Learning Outcome

#3

Use effective counseling techniques for patients interested in using CBD oil or an EO for their auditory/vestibular complaint(s)

CONTINUED

Outline

1. Essential oil (EO) history and overview
2. What's makes an oil "essential?"
3. How safe are EOs?
4. EO internet health claims
5. Marketing EOs

CONTINUED

CONTINUED

Outline

6. Cannabidiol oil (CBD) history, the law, public interest and safety
7. CBD oil internet health claims
8. Marketing CBD oil
9. Ethics for Audiologists (EO and CBD)
10. Counseling your patient

CONTINUED

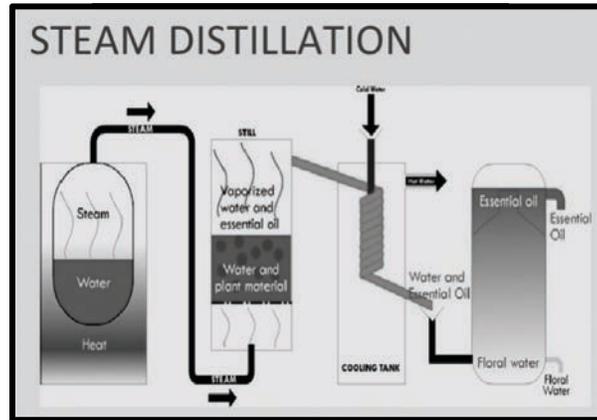
Plant Oils
Used in
Traditional
Chinese
Medicine
(TCM)
>3000 years



CONTINUED

CONTINUED

Extracting the Oil by Steam Distillation



CONTINUED



CONTINUED

CONTINUED

What is an ESSENTIAL OIL?

Necessary? Vital? Critical?

Imperative? Needed?

Must-Have? Required?

All Important?

CONTINUED

Definition of “Essential Oil”

The “essence” of an oil is its
“volatility” or speed of evaporation

continued

Definition of “Essential Oil”

The “essence” of an oil is its
“volatility” or speed of evaporation

Volatile oils are also referred to as
“aromatic oils”

continued

No FDA Definition for
“Essential Oil”



continued

CONTINUED

Essential Oils can be...

Rubbed into the skin pores

Inhaled (nose-mouth)

Inserted (natural openings)

CONTINUED

Some Components of Essential Oils
Give it the Aroma

- Alcohol
 - Amines (derived from ammonia)
 - Phenols (can be antiseptic & anesthetic)
 - Terpenes (cone plants)

CONTINUED

CONTINUED

How Safe Are Essential Oils?



CONTINUED

How Safe Are Essential Oils?

Must be safe when used
according to the label's directions

which means....

CONTINUED

CONTINUED

How Safe Are Essential Oils?

Manufacturer has
a legal
responsibility for
safety!

Not required
by FDA!



www.fda.gov/Cosmetics/ProductsIngredients/Ingredients/ucm388821.htm#how

Q3

CONTINUED

Do EOs 'Go Bad?'

YES!

If not stored
properly
(according to label
directions)

Lot Number	7276220
MFg. Date	14AUG2019
Exp. Date	14AUG2021
Safe Storage:	bet. 65 and 80 degr. (F)

CONTINUED

CONTINUED

SAFETY FIRST!

Never put EOS into the ear canal!

EOs should always be used
with a diffuser/evaporator

Never ingest an EO in
tablet/capsule form

Q4

CONTINUED

Meaningless *Essential Oil Terms*

100% Pure Essential Oils

Certified essential oils Therapeutic grade

Locally sourced Clinical grade

Organic

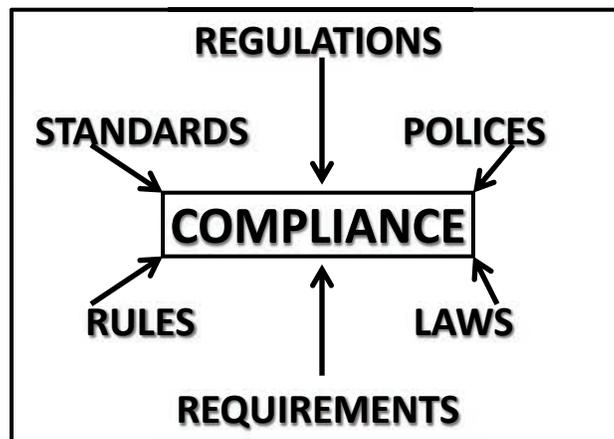
CONTINUED

continued



continued

No Organization Certifies
the Quality & Purity of EOs



continued

continued

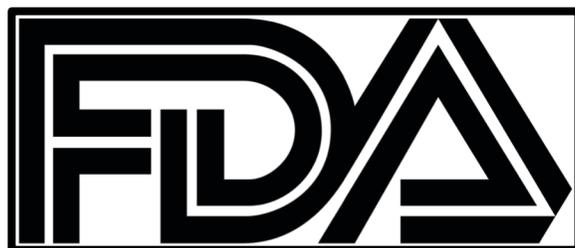
Therapeutic or Clinical Grade?

It's a marketing term!

Any company can say that
their oils are
"therapeutic grade"

continued

Essential Oils Are Classified as FOOD
Because They Are PLANT-BASED!



Q1

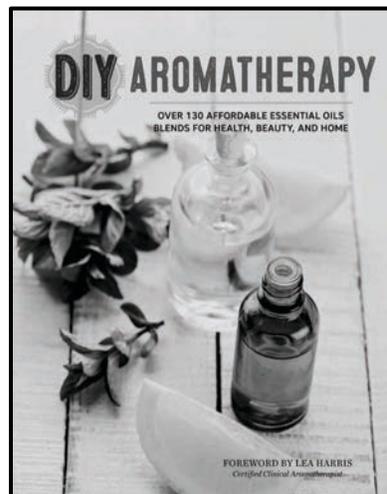
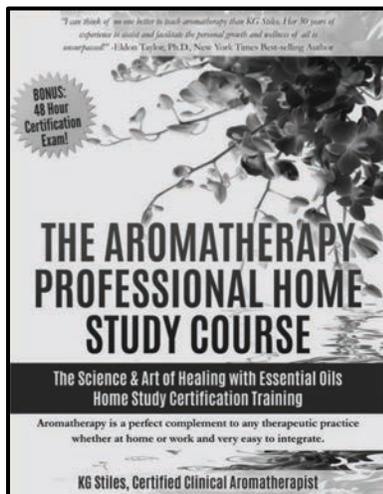
continued

continued

“Aroma Therapists”

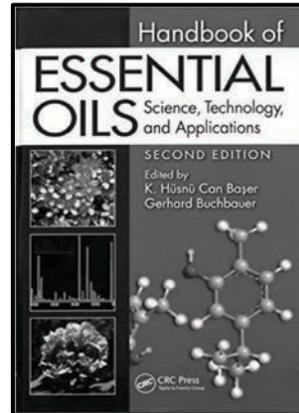
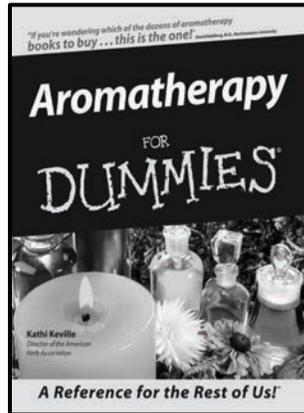
Use the Term “Essential Oil”

continued



continued

CONTINUED



CONTINUED

Is an Essential Oil a Drug?

YES!

If it is intended for a therapeutic use (i.e., relieves tinnitus, relaxes muscles, treats depression, etc.)

Q2

CONTINUED

CONTINUED

Biological Claims (I'm glad you're sitting down!)

Efficacy does not have to be supported
by scientific research
(Remember, it's a food product!)

No evidence-based research is
required to support the claims made
by the manufacturer!

Q5

CONTINUED

Biological Claims



Nychas G.J.E. Natural antimicrobials from plants. In: Gould G.W., editor. *New Methods of Food Preservation*. 1st ed. Blackie Academic & Professional; London, UK: 1995

CONTINUED

continued

Biological Claims

Koh K.J., Pearce A.L., Marshman G., Finlay-Jones J.J., Hart P.H. Tea tree oil reduces histamine-induced skin inflammation. Br. J. Dermatol. 2002;147:1212-1217

continued

Biological Claims

Allergies

Rh. arthritis

Created by Healing Lotus Aromatherapies

ANTI-INFLAMMATORY OILS

TOP 6

In the January issue of Journal of Lipid Research, researchers have found that six essential oils - from thyme, clove, rose, eucalyptus, fennel and bergamot can suppress the inflammatory COX-2 enzyme, in a manner similar to resveratrol, the chemical linked with the health benefits of red wine. They also identified that the chemical carvacrol was primarily responsible for this suppressive activity.



The list of inflammation-induced health concerns is a long one, including allergies, asthma, osteoporosis, rheumatoid arthritis, gout, psoriasis, lupus, inflammatory bowel disease, Alzheimer's disease, heart attack, congestive heart failure, bronchitis, and diabetes.

* This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Maruyama N., Sekimoto N., Ishibashi H. Suppression of neutrophil accumulation in mice by cutaneous application of geranium essential oil. J. Inflamm. 2005;2:1-11

continued

CONTINUED

Biological Claims

EOs “represent a new option in the treatment of inflammatory diseases”



Dhifi W, Bellili S, Jazi S, Bahloul S, Mnif W. Essential oils' chemical characterization and investigation of some biological activities: a critical review. *Medicines (Basel)*. 2016 Dec; 3(4): 25

CONTINUED



CONTINUED

CONTINUED

EO Disclaimer

“The information is not intended or implied to be a substitute for professional medical advice, diagnosis or treatment...

Sapp, J., Stresky, M. & Watson, R. (2017). *The Miracle of Essential Oils: Harnessing the Power of Botanicals to Ease Physical, Emotional and Psychological Trauma.* *Paradigm Press.*

CONTINUED

EO Disclaimer

“All content...is for general information purposes only...

Sapp, J., Stresky, M. & Watson, R. (2017). *The Miracle of Essential Oils: Harnessing the Power of Botanicals to Ease Physical, Emotional and Psychological Trauma.* *Paradigm Press.*

CONTINUED

CONTINUED

EO Disclaimer

“For any health queries,
please consult your doctor or
qualified health care provider...”

Sapp, J., Stresky, M. & Watson, R. (2017). *The Miracle of Essential Oils: Harnessing the Power of Botanicals to Ease Physical, Emotional and Psychological Trauma.* *Paradigm Press.*

CONTINUED

EO Disclaimer

...not responsible nor liable for
any advice...that you
obtain through this site.”

www.themiracleofessentialoils.com/essential-oils-for-vertigo/

Sapp, J., Stresky, M. & Watson, R. (2017). *The Miracle of Essential Oils: Harnessing the Power of Botanicals to Ease Physical, Emotional and Psychological Trauma.* *Paradigm Press.*

CONTINUED

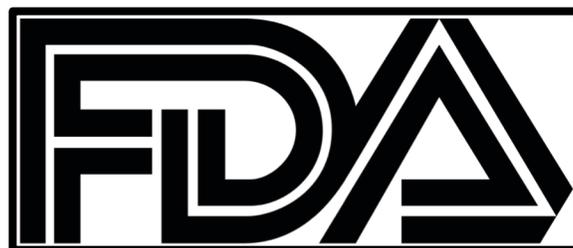
CONTINUED

“The Publisher cannot accept responsibility for any injury...from the use of any methods, products, instructions or ideas referred to within this publication.”

Sapp, J., Stresky, M. & Watson, R. (2017). *The Miracle of Essential Oils: Harnessing the Power of Botanicals to Ease Physical, Emotional and Psychological Trauma.* Paradigm Press.

CONTINUED

What is the Role of the FDA with EOs?



CONTINUED



CONTINUED

The Role of the FDA

Disclaimer

“These statements have not been
Evaluated by the FDA...
...this product is not intended to treat,
cure or prevent any disease”

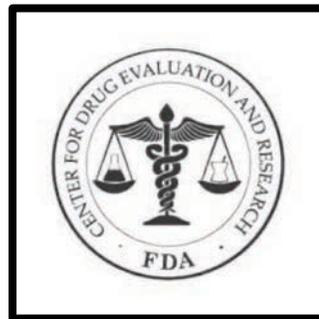
Q6

CONTINUED

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat or cure any disease.

CONTINUED

Are EOs
FDA approved?



CONTINUED

continued

YES	<input type="checkbox"/>
NO	<input checked="" type="checkbox"/>



continued

So Who Regulates EO Advertising Claims?



continued

continued



“Consumers should be suspicious of products that claim to treat a wide range of diseases...”

FDA Office of
Regulatory Affairs

continued

“Scientific research indicates that essential oils cannot treat or cure any chronic disease or other illnesses”

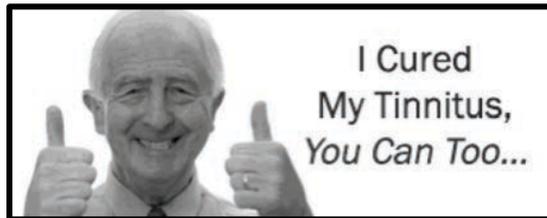
Lee MS, Choi J. Aromatherapy for health care: an overview of systematic reviews. *Maturitas*. 2012, 3 (71): 257–260

CONTINUED



“Personal testimonials
are no substitute for
scientific evidence”

FDA Office of Regulatory Affairs

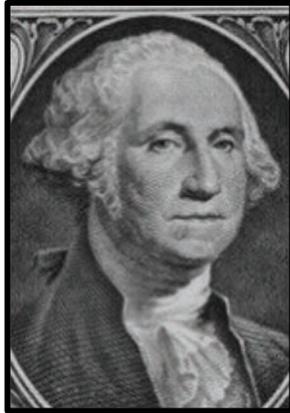


CONTINUED

Searching the
Internet for
EO Information

CONTINUED

CONTINUED



"If it's on the internet it must be true!"

George Washington

Photo: US Mint

CONTINUED

Sample Internet Ads

Two sample internet advertisements for tinnitus treatments. The left ad features an elderly man giving a thumbs up, with text: 't-gone Total Tinnitus Solutions', 'I Cured My Tinnitus, You Can Too...', 'Tinnitus Survival Tips by Ellen Carr', and 'Click Here For Details'. The right ad features a woman looking down, with text: 'Cure Tinnitus', 'tinnitumiracle.treatment.org', 'Without Drugs', 'Without Surgery', 'Faster Than Ever', and 'Download Tinnitus Miracle' with a download icon.

CONTINUED

CONTINUED

Sample Internet Ads



SPRAY



VIBRATING DEVICE

CONTINUED

Sample Internet Ads

End the annoying ringing in your ears

Stop the annoying ringing, buzzing and roaring in your ears caused by tinnitus. Ring Free™ starts working quickly to help relieve these aggravating symptoms. In just 7 days, you'll experience dramatic relief. Just a few sprays under the tongue as needed. 2 oz.

#073614 Ring Free™ Tinnitus Spray \$29

FDA approved

Save 10% on every purchase. Join Rewards. See order form for details.

Real tinnitus relief

Stop the ring, buzzing and roaring in your ears in 5 minutes or less. The amazing Reltus Tinnitus Relief device soothes the auditory nerve with calming micro-vibrations that "drown out" the aggravating symptoms. Your body instantly adjusts to the vibrations and the tinnitus is no longer detectable. Use this simple, safe solution whenever you need real relief. Results can last for up to 18 hours. Includes two comfort tips. Requires 1 AAA battery (included). 7"L.

#074484 Reltus Real Tinnitus Relief \$49
SAVE! Buy 2 for \$89

FDA registered

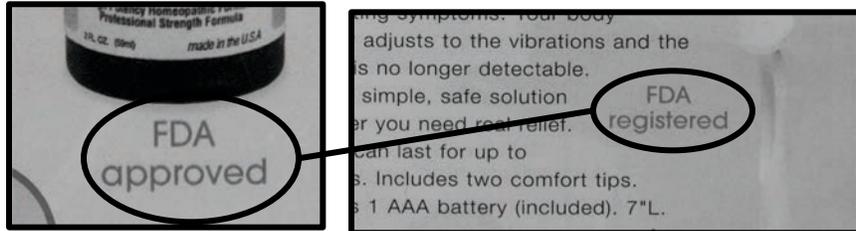
"Using this device is like hitting the MUTE button."
 — L. Johnson

Doctor recommended

CONTINUED

CONTINUED

Sample Internet Ads



CONTINUED

Marketing Essential Oils

CONTINUED

continued

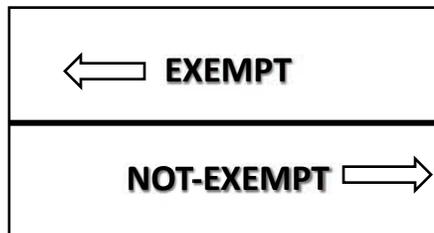
Amazon.com - Page 1 of 7
75 items/page = 500+ products!



continued

REMINDER!

Essential oils are exempt from rigorous federal regulations and testing (required for products classified as prescription drugs)



continued

CONTINUED

Essential Oil Research

As of 5/1/2020



National Library of Medicine

+21,000 Studies

CONTINUED

Essential Oil Research for HL, Tinnitus and Vertigo

As of 5/1/2020



National Library of Medicine

No Published Research

continued

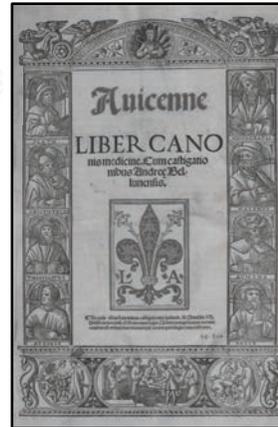
Abu Ali al-Husain Ebn Abdullah Ebn Sina (980 –1037 AD)



Known as Avicenna

Medical Writer

“Canon of
Medicine”



continued

Lily oil and Spotted Orchid oil are
mentioned as remedies for tinnitus



continued

continued



continued

Outline

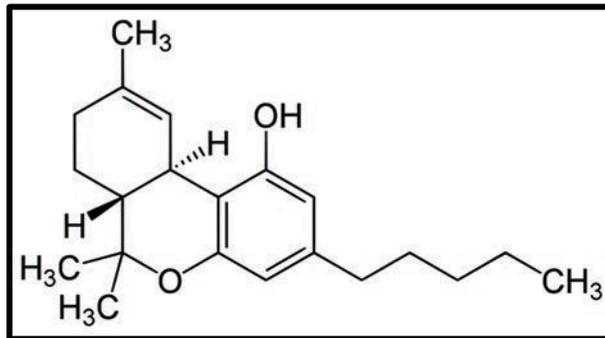
1. CBD Oil Overview and History
2. Why is CBD Oil Such a Hot Topic?
3. Research
4. Health Claims
5. Marketing CBD Products
6. CBD Products
7. Counseling

continued

CONTINUED

Cannabidiol (CBD) Oil

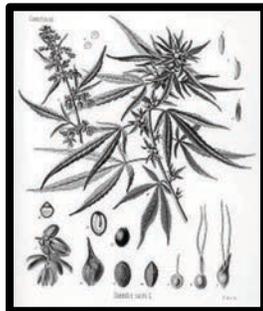
A low Tetra-Hydro-Cannabinol (THC)



CONTINUED

Cannabidiol (CBD) Oil

Derived from
cannabis sativa



CONTINUED

CONTINUED

Cannabidiol (CBD) Oil

Extracted from
flowers, leaves
and buds of
Cannabis plants
(marijuana or hemp)



CONTINUED

Cannabidiol (CBD) Oil

Hemp plants are
similar to marijuana
plants, but contain
much lower levels of
THC



CONTINUED

continued

THC vs CBD

continued

Cannabidiol (CBD) Oil

THC causes a
psychoactive high

CBD users do not
experience a high

Q7

continued

Why So Much Interest in CBD Oil?

WHY? ? WHY? ?
? WHY? ?
WHY?

continued

June 2018

Congress passed the
Agriculture Improvement Act
(aka The Farm Bill of 2018)

CONTINUED

June 2018

Removed hemp from the
*Controlled Substances
Act of 1970*

Opened the door
for marketing the
non-narcotic aspects
of hemp



President
Richard M. Nixon

Q8

CONTINUED

Chapter and Verse

Hemp is no longer listed as a
Schedule I Controlled Substance

DEA DRUG SCHEDULING

<u>Schedule I</u>	<u>Examples</u>
No accepted medical use	Marijuana LSD
High potential or abuse	Heroin Quaaludes

CONTINUED

CONTINUED

June 2018

The first (and only) CBD-based drug approved by the FDA



CONTINUED

June 2018

For seizures associated with two rare types of epilepsy:

Lennox-Gastaut Synd.
and
Dravet Synd.

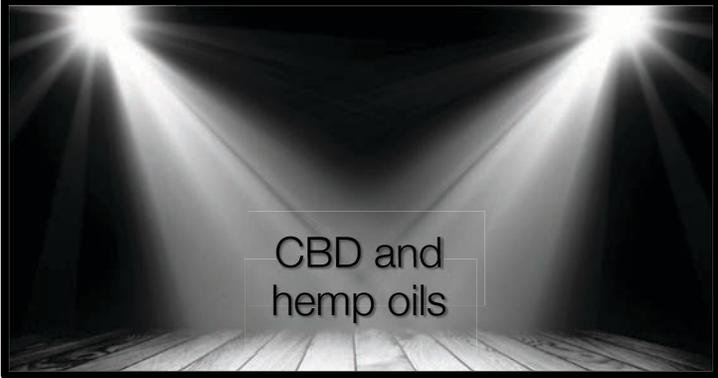


GW Research Ltd.

CONTINUED

CONTINUED

June 2018
Put the spotlight on CBD
and hemp oils



CBD and
hemp oils

CONTINUED

CBD Oil Research

As of 5/1/2020



6 Studies

continued

CBD Oil Research for
HL, Tinnitus and Vertigo

As of 5/1/2020



None

continued

REMINDER...



Plant-based herbal products are
not classified as drugs
by the FDA

Classification: FOOD!

continued

CONTINUED

Plant-based products are also

EXEMPT

from the rigorous regulations and testing required for prescription drugs

CONTINUED

Marketing
CBD Oil

CONTINUED

CONTINUED

Estimated CBD Oil Sales

**\$16.32 billion
by 2026**

Rose B. CBD marketing 101: strategies for sellers to stand out in a sea of green. <https://www.bigcommerce.com/blog/cbd-marketing>. Accessed 1/10/2020

CONTINUED

WARNING!

Manufacturers and “Cannapreneurs”

Cannot Make Health or
Medical Claims

OR

Untested Assumptions
(advising pts about
treating HL, tinnitus,
vertigo, etc.)

CONTINUED

CONTINUED

WARNING!

Manufacturers and “Cannapreneurs”

Cannot Have
User Testimonials

Cannot Sell CBD
as a
Dietary Supplement

CONTINUED

How CBD Is Supplied

- | | | |
|--------------|-----------|---------|
| Oils | Tinctures | |
| Creams | | |
| Capsules | Pills | Edibles |
| Lotions | Gels | Soaps |
| Sub-linguals | Sprays | Vaping |

CONTINUED

The image shows a screenshot of the Amazon.com website search results for "cbd oil". A large, tilted watermark with the text "available at amazon" is overlaid on the left side of the page. The search results show a list of products, including various hemp oil and CBD products. The top of the page features the Amazon logo, a search bar with "cbd oil" entered, and navigation links like "Home", "Account & Lists", and "Orders". The search results are organized into sections: "Amazon Prime", "Delivery Day", "Eligible for Pantry", "Local Stores", and "Department". The "Department" section lists categories such as "Health & Household", "Pain Relief Medications & Treatments", "Herbal Supplements", "Pain Relief Homeopathic Remedies", "Omega 3-6-9 Oil Nutritional Supplements", "Health Care Products", "Grocery & Gourmet Food", "Cooking & Baking Oils", "Baking Extracts & Flavoring", "Coconut Oils", "Books", "Alternative Medicine", "Herbal Remedies", "Pain Medicine Pharmacology", "Reference", "Popular Psychology", and "Psychopharmacology". The main product listings include:

- (2 Pack | 60mL) Hemp Oil for Pain Relief Anxiety Sleep Mood Stress Support - 500mg - Best Pure Natural Organic Vitamins Fatty Acids... \$14.99 (Save 5% with coupon)
- The Colorado Co Hemp Oil 5000 Milligram For Pain Relief, Anxiety, Sleep Support, Mood and Menopause Support, Pms Relief \$27.95 (prime Get it as soon as Fri, Oct 11)
- Pure Hemp Oil 30000MG, CO2 Extracted, Pain Relief, Relaxation, Sleep, Anxiety and Mood Support, Natural, Organic, Vegan \$14.99 (Save 5% with coupon)
- (2-Pack) Hemp Oil Extract for Pain & Stress Relief - 1000mg of Organic Hemp Extract - Grown & Made in USA - 100% Natural Hemp Drops... \$26.95 (prime Get it as soon as Tomorrow, Oct 9)

The image displays the "continued" logo at the top left. Below the logo is a horizontal line. In the center, the text "Price Range" is written above a double-headed arrow. The arrow points from "\$20.00" on the left to "\$300.00+" on the right.

continued

Can CBD Oil 'Go Bad?'

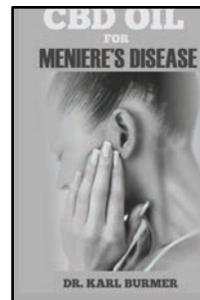
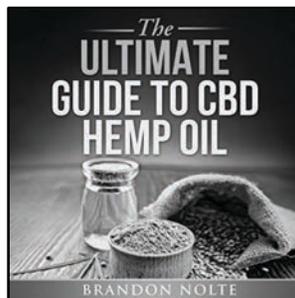
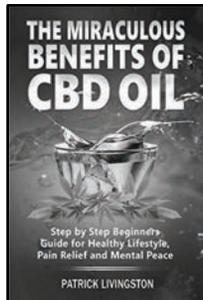
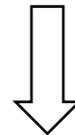
YES!

If not stored properly
(according to label directions)

Lot Number	7276220
Mfg. Date	14AUG2019
Exp. Date	14AUG2021
Safe Storage:	bet. 65 and 80 degr. (F)

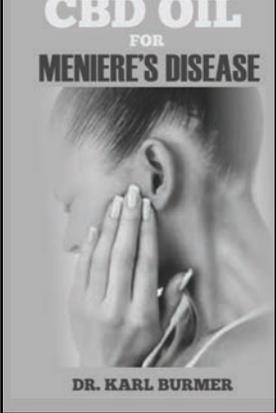
continued

Books



continued

continued



CBD OIL FOR MENIERE'S DISEASE
DR. KARL BURMER

CBD OIL FOR MENIERE'S DISEASE: Effective Remedy for Vertigo, Tinnitus and Progressive Deafness

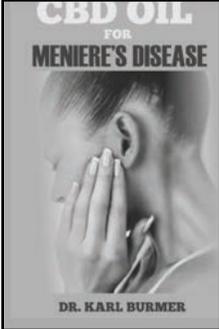
“...expert in Alternative and Herbal Medicine”

“...has carried out *expensive* [italics added] research on alternative medicine”

NOTE
No publications by Karl Burmer in PubMed data base
5/4/2020

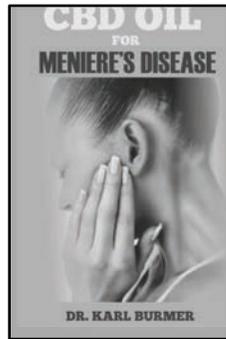
continued

available at **amazon**



<u>Title</u>	<u>Same Topic on PubMed</u>
CBD Oil for...	
Alzheimer's	0
Asthma	0
Back Pain	0
Bipolar Disorder	1 (case report)
Cancer treatment	4 (pain reduction)
Costochondritis	0
Crohn's Disease	1
Cystic Fibrosis	0
Endometriosis	1 (pain reduction)
Hemorrhoids	0
Hepatitis	0
Neurogenerative Disease	1 (Huntington's Disease)
Pancreatitis	1
Pneumonia	0
Stroke	0

continued



CBD OIL FOR MENIERE'S DISEASE: Effective Remedy for Vertigo, Tinnitus and Progressive Deafness

NOTE

No publications in the PubMed data base for Vertigo, Tinnitus and Progressive Deafness
5/4/2020



continued



CONTINUED

Can Audiologists Sell
EOs or CBD Oil To Their Patients
With HL, Tinnitus or Vertigo?

CONTINUED

“Can I offer essential oils or CBD
products to my patients for HL,
tinnitus or vertigo?”

“If my patients can buy these
products online why not
let me sell them?”

CONTINUED

continued

Code of Ethics



continued



continued

CONTINUED

Oils and Ethics

Principle of Ethics I

Rules of Ethics

K. Individuals shall dispense products only when benefit can reasonably be expected.



CONTINUED

Oils and Ethics

Principle of Ethics III

Rules of Ethics

F. ...statements to the public shall not contain misrepresentations when advertising, announcing, and promoting products.



CONTINUED

continued

Oils and Ethics



continued

Oils and Ethics

PRINCIPLE 4

Members shall provide only services and products that are in the best interest of those served.



continued

Oils and Ethics

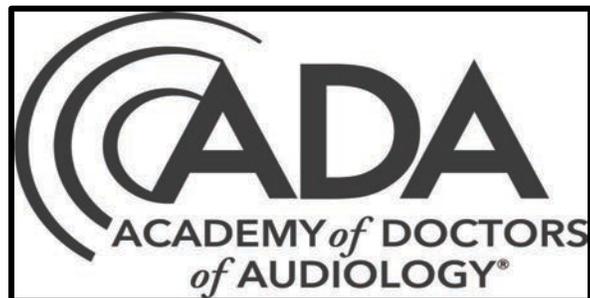
PRINCIPLE 5

Members shall provide accurate information...about the services and products offered.



continued

Oils and Ethics



continued

continued

Oils and Ethics

PRINCIPLE I

Members shall fully inform patients of the nature and possible results of ... products sold



continued

Oils and Ethics

PRINCIPLE III

Members shall provide only those procedures, products and services that, according to the member's *best professional judgment*, [italics added] are in the best interests of the patient.



CONTINUED

TWO SCENARIOS

#1

CONTINUED

Patient: I want to try _____ oil for my tinnitus. Do you think it would help me?

Audiologist: There's no research that says it can help tinnitus and the FDA hasn't approved any oils for tinnitus – but you can try it and see what happens. Let me know, OK?

CONTINUED

continued

Patient: You said I could take _____ oil for my tinnitus. I got so sick I had to be taken to the ER with a stomach cramps!

Audiologist: I said “You can try it and see what happens.”

Patient: No, you said I could take it.

continued

Document EVERYTHING
a patient asks
and
document what you say to them!

“If you don’t document it,
it didn’t happen!”

CONTINUED

TWO SCENARIOS

#2

CONTINUED

Patient: I want to try _____ oil for my tinnitus. Do you think it would help me?

Audiologist: NO! There's no research that says _____ oil can help tinnitus and the FDA hasn't approved any oils for tinnitus.

CONTINUED

continued

Patient: I tried that oil I told you about. Well, I got so sick I had to be taken to the ER with a stomach cramps!

Audiologist: I'm so sorry that happened! Are you familiar with the FDA's MedWatch Program?

continued

Reporting Drug, Supplements or EO/CBD Oil Toxicity



www.fda.gov/medwatch

1.800.FDA.1088

continued

continued

U.S. Department of Health and Human Services
MEDWATCH
 The FDA Safety Information and Adverse Event Reporting Program

For VOLUNTARY reporting of adverse events, product problems and product use errors

Form Approved: OMB No. 0910-0291, Expires: 9/30/2018
 (See PRA statement on reverse)

Page 1 of 3

FDA USE ONLY
 Triage unit sequence #
 FDA Rec. Date

Note: For dates/months of "dd-mm-yyyy" please use 2-digit day, 3-letter month abbreviation, and 4-digit year, for example, 01-Jul-2015.

A. PATIENT INFORMATION

1. Patient's name (Last, First, Middle Initial)
 2. Age (Years, Months, Weeks, Days) or Date of Birth (e.g., 08 Feb 1925)
 3. Sex (Male, Female)
 4. Weight (lb, kg)
 5.a. Ethnicity (Check single best answer)
 5.b. Race (Check all that apply)

B. ADVERSE EVENT, PRODUCT PROBLEM

1. Adverse Event, Product Problem, or Product Use Error
 Adverse Event Product Problem (e.g., defects/malfunctions)
 Product Use Error Problem with Different Manufacturer of Same Medicine

2. Outcome Attributed to Adverse Event (Check all that apply)
 Death (include date (dd-mm-yyyy))
 Life-Threatening Hospitalization - initial or prolonged
 Disability or Permanent Damage Congenital Anomaly/Birth Defects
 Other Serious (Important Medical Events)
 Required Intervention to Prevent Permanent Impairment/Damage (Devices)

3. Date of Event (dd-mm-yyyy) 4. Date of this Report (dd-mm-yyyy)

5. Describe Event, Problem or Product Use Error

6. Relevant Tests/Laboratory Data, Including Dates (Continue on page 2)

7. Other Relevant History, Including Preexisting Medical Conditions (e.g., allergies, pregnancy, smoking and alcohol use, recent/long-term problems, etc.) (Continue on page 2)

3. Dose or Amount Frequency Route
 #1 #2

4. Dates of Use (From-To for each) (if unknown, give duration, or best estimate) (dd-mm-yyyy)
 #1 #2

5. Diagnosis or Reason for Use (indication)
 #1 #2

6. Is the Product Compounded? #1 #2
 #1 #2

7. Is the Product Over-the-Counter? #1 #2
 #1 #2

8. Expiration Date (dd-mm-yyyy)
 #1 #2

9. Event Abated After Use Stopped or Dose Reduced? #1 #2
 Yes No Doesn't apply

10. Event Reappeared After Reintroduction? #1 #2
 Yes No Doesn't apply

E. SUSPECT MEDICAL DEVICE

1. Brand Name
 2. Common Device Name 2b. Procedure
 3. Manufacturer Name, City and State
 4. Model # Lot #
 Catalog # Expiration Date (dd-mm-yyyy)
 Serial # Unique Identifier (UDI) #
 5. Operator of Device
 Health Professional
 Lay User/Patient
 Other
 6. If Implanted, Give Date (dd-mm-yyyy) 7. If Explanted, Give Date (dd-mm-yyyy)
 Yes No
 8. Is this a single-use device that was reprocessed and reused on a patient? Yes No
 9. If Yes to Item 8, Enter Name and Address of Processor

PLEASE TYPE OR USE BLACK INK

continued

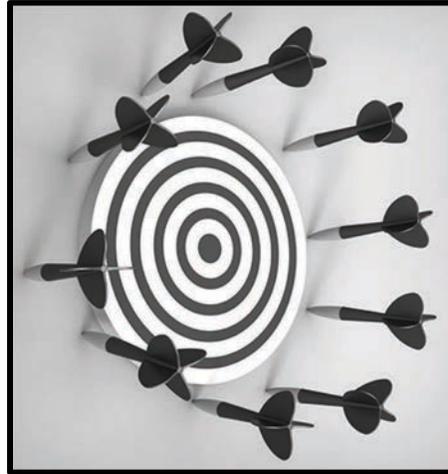
SUMMARY

How Do CBD and EOs Help HL, Tinnitus or Vertigo?

continued

CONTINUED

They Don't!



CONTINUED

Counseling Your Patients

FDA has not approved any Essential Oil or CBD Oil for HL, tinnitus or vertigo



CONTINUED

Counseling Your Patients

User testimonials
may be very
convincing
however...

Don't Just Take Our Word For It...

Our patients say
it best!

"It worked
for me – it
can work for
you!"

Counseling Your Patients

...there is no published
evidence-based research
that shows
EOs and CBD products
are effective for HL, tinnitus,
or vertigo

PubMed – 5/1/2020

continued

“Care must be taken when directing patients toward CBD products...

...there is little regulation, and studies have found inaccurate labeling...”



VanDolah HJ, Bauer BA, Mauck KF. Clinicians’ guide to cannabidiol and hemp oils. Mayo Clin Proc. September 2019;94(9):1840-1851

Q9

continued

Code of Ethics Violations



You should not offer or suggest an EO or CBD oil to your patients to help manage their hearing/balance problems

Q10

continued

CONTINUED

Further Reading



Grinspoon, P. Cannabidiol (CBD) - what we know and what we don't. Harvard Health Blog. August 27, 2019

CONTINUED

For a list of EOs Marketed
for
Hearing Loss, Tinnitus and
Vertigo go to:

www.drbobdisogra.com

click on 'MORE'

CONTINUED

continued

THANK YOU!

www.drboobdisogra.com



continued