Agmaset[®] and AgmaVet[®] Science Leading to Product



Nutraceuticals containing the neuroprotective ingredient <u>*G-Agmatine*</u>®.

<u>*G-Agmatine*[®]</u> - The best brand of agmatine.

https://ForNerveHealth.com

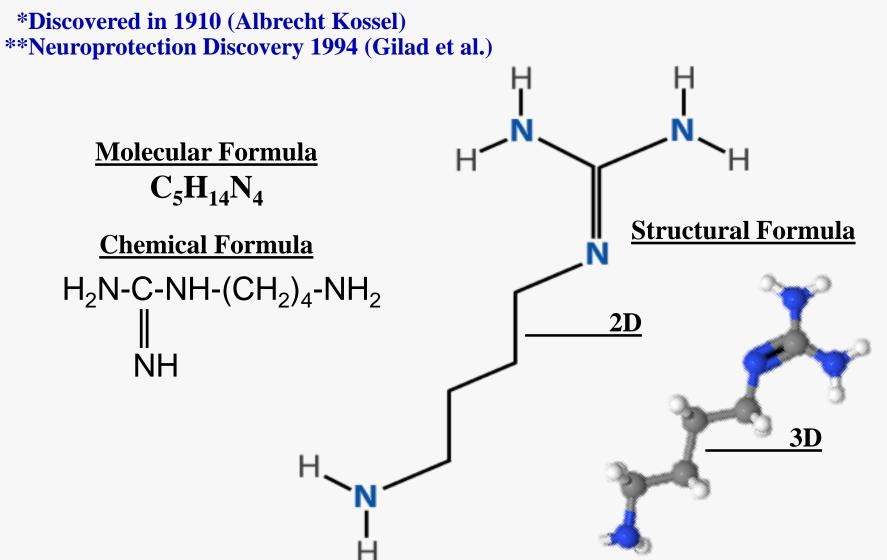
Neuroscientists - 1977 <u>Donated to</u> – Dr. Donald J. Reis's Laboratory of Neurobiology, Cornell University Medical College. (oil pastel on paper)







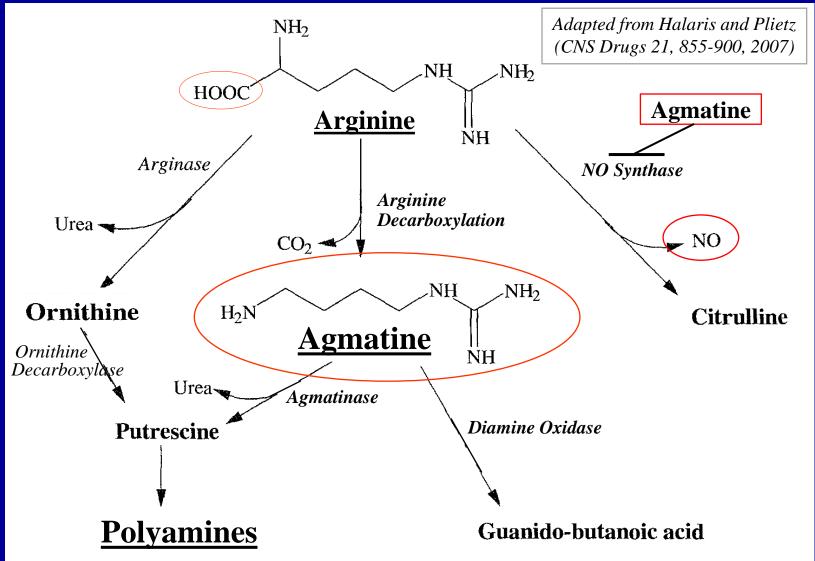
A Novel Neuroprotective Dietary Ingredient**



Metabolic Pathways



-Agmatine is a metabolite of the amino acid arginine--But agmatine exerts different effects than arginine-





Agmatine is a Naturally Occurring Compound with Broad Distribution in the Body

• Brain:	300 ng/mg
• Blood:	47 ng/ml
• Intestine:	55 ng/mg
• Fecal:	3,290 ng/g



Agmatine is a Ubiquitous Compound Present in Many Plant- and Animal-Derived Foodstuff

- Commonly found in foodstuff derived from plants, fish and animals (usual range: 0.1 10 mg/kg).
- High levels are found in certain fish products (200 and up to 650 mg/kg).
- Intestinal microbial production is considered a major source of agmatine.

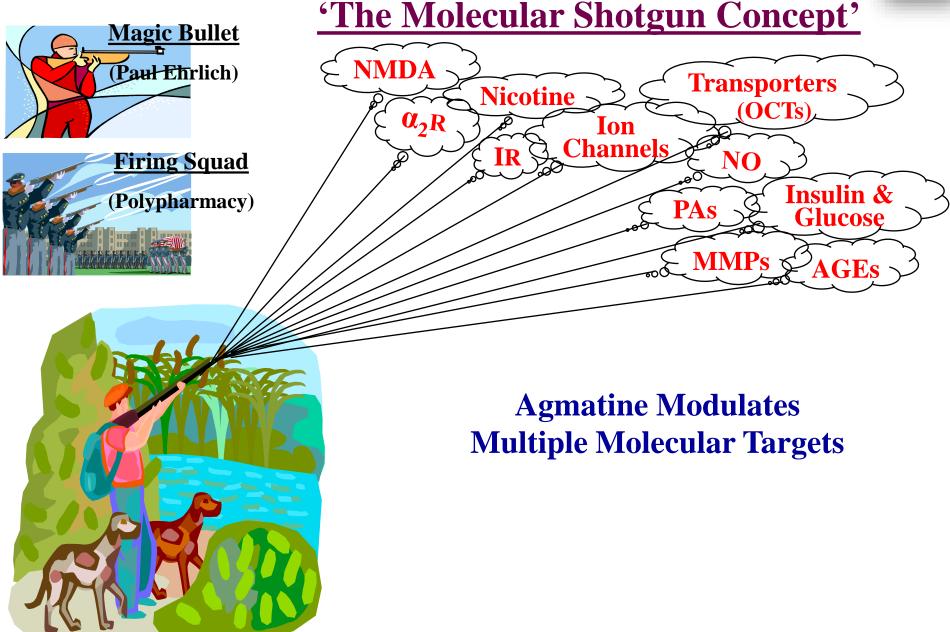


Agmatine Exerts Multiple Effects -Animal Model Experiments-

- Neuroprotection.
- Healthy pain-free nerve functions.
- Healthy mood functions.
- Healthy coping with Stress .
- Learning and memory enhancement.
- Healthy blood glucose regulation.
- Healthy blood flow.
- Protection of healthy kidney functions.
- Healthy control of cell growth.

UNIQUE MECHANISM OF ACTION

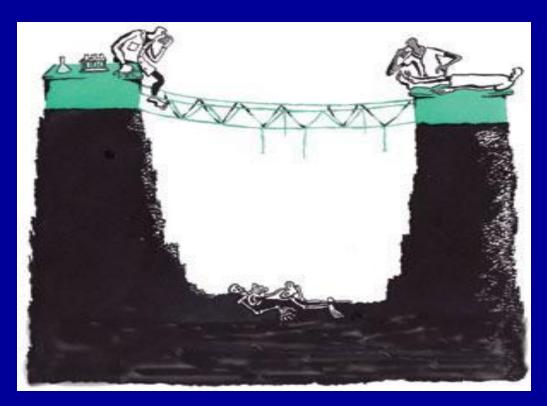






Translating Research Into Practice

'The Valley of Death' Where some 99% of treatments fail



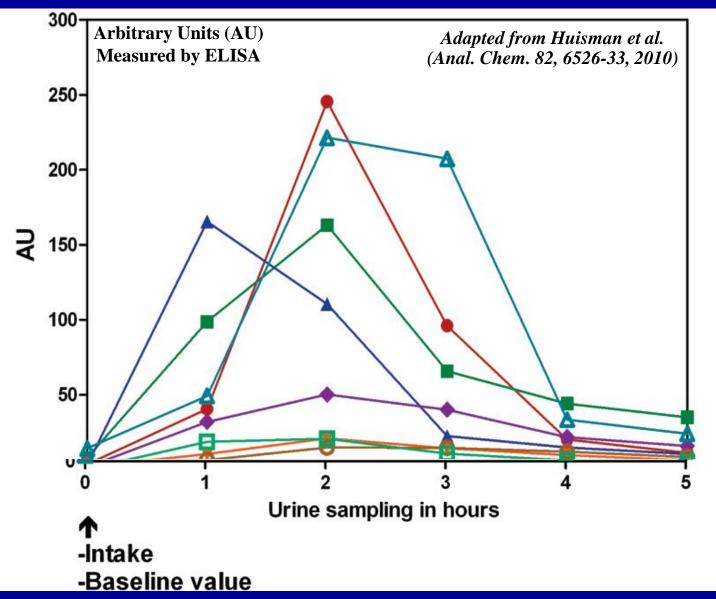
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Absorption, Distribution, Metabolism and Elimination

- Oral agmatine is absorbed by the gastrointestinal tract.
- Agmatine is distributed throughout the body. It crosses the blood-brain-barrier.
- Agmatine is mostly converted to putrescine, precursor for polyamine synthesis, and urea. Some may be oxidized.
- Agmatine is excreted by the kidneys.

Agmatine in Urine Following Oral Intake (2 hr apparent blood half-life)



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Addressed Conditions

More than 20 million people in the United States alone cope everyday with circumstances that challenge healthy nerve functions...



Safety Clinical Trial

GiladaGilad Fight For Nerve Health

-Open Label, Dose-Escalating Clinical Study Design-

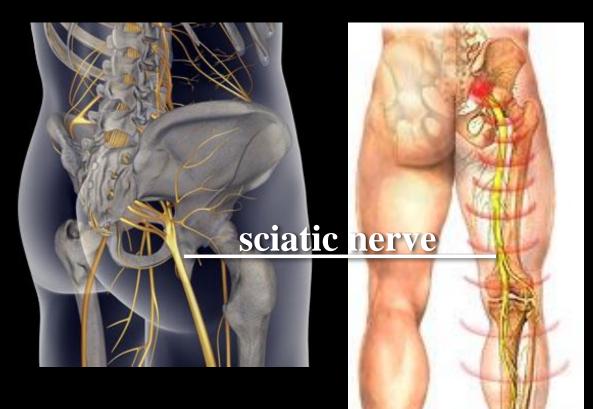
Keynan et al., Pain Med., 2010;11(3):356–368

Cohort	Participants [Male] [Female]	Treatment Regimen
1 st Cohort	5 [3] [2]	1 capsule 3 times daily (1.335 g agmatine sulfate/day) - 10 day treatment
2 nd Cohort	5 [1] [4]	2 capsules 3 times daily (2.670 g/day) - 10 day treatment
3 rd Cohort	12 [7] [5]	8 daily capsules (2 in the morning, 3 at noontime and 3 in the evening) (3.560 g/day) - 10 day treatment
4 th Cohort	12 [8] [4]	8 daily capsules (2 in the morning, 3 at noontime and 3 in the evening) (3.560 g/day) - 21 day treatment

Adverse Effects During 7-month Follow-up	1 st Cohort	2 nd Cohort	3 rd Cohort	4 th Cohort
Mild Diarrhea			1	2
Discontinuations – Due to the above Adverse Effects				1
Free Will Discontinuations				1

Translation of Research into Treatment -Clinical Study Focused on Sciatic Nerve-





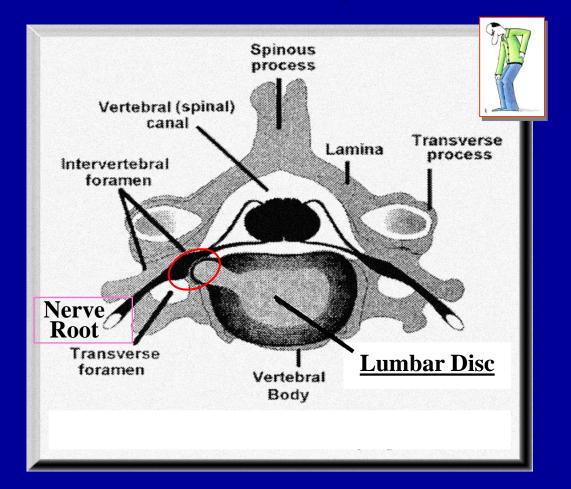
Adapted from WebMD Slideshow: 'A Visual Guide to Sciatica'

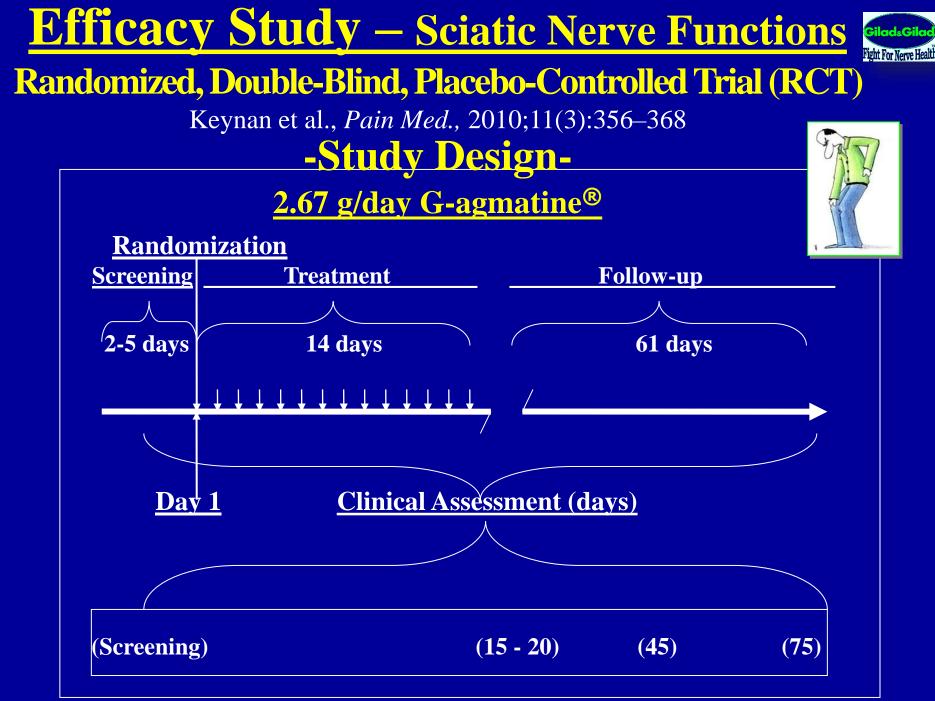
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Clinical Study



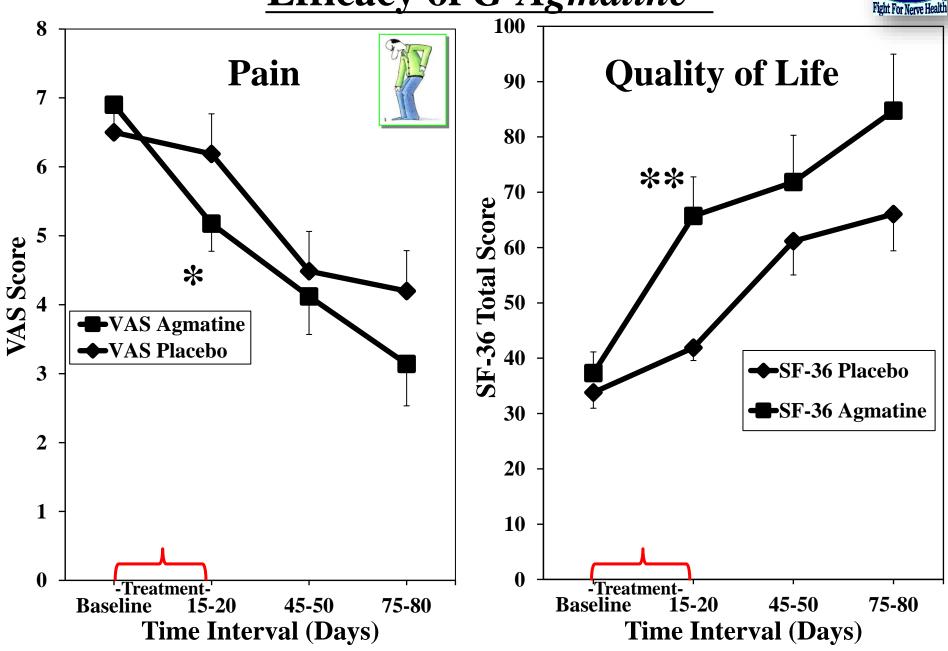
- > About 1.5% of the population cope everyday with circumstances that challenge healthy sciatic nerve functions.
- Sciatic nerve functions can be clearly defined and measured.





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Efficacy of G-Agmatine®



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lad_&Gilad



Effectiveness in Pain Associated with Small Fiber Nerve Functions -Open-Label Consecutive Case Series Study-Rosenberg et al., *Nutrients*, 2020;12(2):576

-Study Regimen-2.67 g/day G-agmatine[®] for 60 days

Pain questionnaire ratings before and after 60-day treatment with G-Agmatine®

Patients (11)	Average Pain Before Treatment	After	Absolute Decrease (Rating Points)	Percent Decrease
Average ± SD	56.1 ± 18.2	30.1 ± 16.9	26.0 *	46.4% *

*Highly significant (*p* < 0.00001, paired *t*-test). SD, standard deviation.



"Proof-of-concept"

The clinical studies serve a "Proof-of-concept" indicating the utility of G-agmatine® in harsh circumstances that challenge healthy nerve functions.

Recommended Effective Regimen

- 2 to 3 capsules twice a day with or after meals for as-long-as needed (each capsule contains 445mg of *G-Agmatine®*).
 - > Time to effect -
 - In acute circumstances: 2 4 days in most, but may be as-long-as 2 to 4 weeks.
 Chronic conditions: 3 6 weeks.
 - After the effect is established dosage may be gradually reduced for maintenance regimen.



AgmaSet®First-of-its-Kind Dietary Supplement
Containing G-Agmatine®For Nervous System Health and
Proper Nerve Functions

For Healthy Nerve Functions*

DIRECTIONS FOR USE: Adults, 2 capsules twice or three-times a day with or after meals, or as recommended by your physician, pharmacist or healthcare professional.

<u>NOTE</u> - Pregnant or nursing women, children and III or medication-taking people should consult a physician befor use. May cause diarrhea.



Keep Out of the Reach of Children.
 Do Not Use If Printed Seal is Broken or Missing
 Store in a Closed Bottle at Temperature Not
 Exceeding 30°C (86°F) and Humidity Not
 Above 70% RH.

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



Gilad&Gilad LLC Henderson, NV 89015. Tel: 1-888-484-4523 Info@ForNerveHealth.com www.ForNerveHealth.com



Dietary Supplement

120 Capsules

Supplement Facts

Serving Size: 2 Capsules Servings per Container: 60

Amount per Serving		% Daily Value	
Calories:	less than 1		
Agmatine Sulfate 890 mg (as G-Agmatine®)		t	

[†]Daily Value Not Established

Other Ingredients: Gelatin, titanium dioxide (as capsule color), water. No allergens, preservatives or additives. Gluten-Free. Each bottle contains one (1) nontoxic desiccant packet. G-Agmatine® is a trademark brand of Gilad&Gilad LLC. Patents U.S. 8,916,612; U.S. 9,585,852.

MADE IN THE





AgmaVet[®] For Your Animal's Daily Diet **Containing** *G-Agmatine*[®] **For Nerve Health**

For Healthy Nerve Functions

Directions for use:

Adult animals - Recommended administration is 1 to 3 capsules a day (depending on body weight) with or after meals. Initial administration period is 4 to 6 weeks; however, some animals may respond in a shorter time period. The number of capsules may then be gradually reduced to an effective maintenance level.



Note - For pregnant or nursing females, young ones or ill and medication-taking animals, consult a veterinarian or health professional before use. May cause diarrhea.

Visit www.ForNerveHealth.com



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For Healthy Nerve Functions

120 Capsules

Each Capsule Contains:

Agmatine Sulfate (as G-Agmatine®).......445 mg*

Other Ingredients: Gelatin, titanium dioxide (as capsule color), water.

No allergens, preservatives or additives. Gluten-Free.

Each bottle contains one (1) nontoxic desiccant packet.

*Not recognized by the AAFCO as an essential animal nutrient.

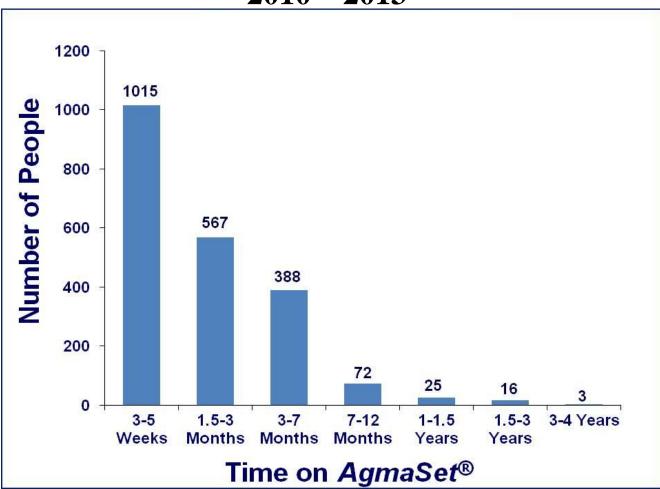
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- Keep out of the reach of children.Do Not Use If Printed Seal is Broken or Missing
- Store in a Closed Bottle at Temperature Not Exceeding 30°C (86°F) and Humidity Not Above 70% RH

MADE IN THE USA



Safety and Effectiveness of AgmaSet® 2010 – 2013*



*Surveillance of people who took *AgmaSet[®] during the years 2010 and 2013*. -No adverse effects were reported. -Three people reported soft stool or mild diarrhea.

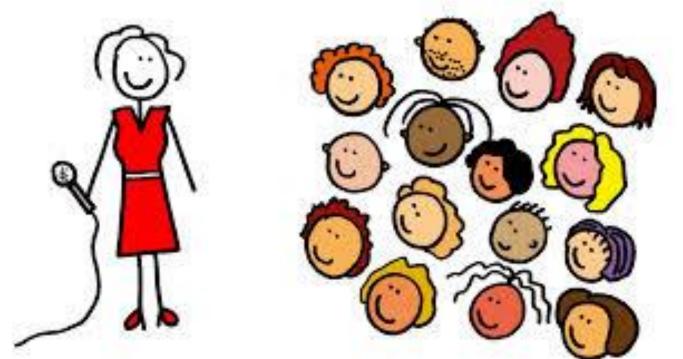
Fight For Nerve Health



Agmatine Sulfate Alternative Products

- All alternative products containing agmatine sulfate are based on borrowed science. All clinical studies are borrowed from Gilad&Gilad.
- Products targeting the bodybuilding field are all touted based on scientifically unsubstantiated claims and often on downright erroneous scientific information.
 - No evidence for enhanced Growth Hormone functions.
 - Agmatine may modulate Nitric Oxide (NO) synthesis, but does not enhance NO content.
 - ✤ No evidence for enhanced muscle protein synthesis.

THANK YOU! PLEASE SPREAD THE GOOD NEWS



Any Questions ? Call us: (toll-free) 1-888-484-4523, or 1-702-790-2877 Contact us via email: info@ForNerveHealth.com

https://ForNerveHealth.com

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Fight For Nerve Health