

FAQs: cGPMAX and Rett Syndrome

1) What is cGPMAX?

A natural supplement formulated from food sources that are naturally rich in cGP, an essential nutrient for brain development and function. Our supplement is standardised to deliver a recommended daily dose of cGP.

2) Are all ingredients entirely natural?

Yes.

3) Can you tell us something more about the pharmacokinetics of the supplement?

cGPMAX is orally bioavailable in humans, it is easily absorbed through the digestive system, into the circulation, and available for uptake by the brain. The effective dose is low and within physiological concentrations. cGP is a small, lipophilic, and enzymatic resistant molecule which allows cGP to be excreted via the urine.

4) How does it work?

The gene mutation that causes Rett syndrome can increase the production of IGFBP-3 proteins which in turn reduces the IGF-1 function. cGPMAX improves the function of IGF-1 by counteracting the function of IGFBP-3.

5) Was this supplement developed as a natural alternative to Daybue for Rett syndrome?

No, cGPMAX was developed for improving or supporting brain function in the aged population.

6) Have any studies been conducted for its use in Rett syndrome?

No.

7) What studies have been done in other groups and what were the results?

We have done several clinical observational studies in older populations with vascular diseases (stroke, cognitive impairment, and hypertension), one completed clinical trial in Parkinson's Disease, and one trial currently underway in patients with peripheral neuropathy caused by type 2 diabetes.

- The clinical observational studies demonstrated that people with more cGP in circulation have better memory. Increased levels of cGP are key to maintaining cognitive function in aged populations whereas the decreased levels of cGP with age contributes to Dementia.
- The clinical trial in Parkinson's patients suggests that cGPMAX is orally bioavailable to brain and improved mood scores (anxiety and depression).
- The preliminary outcome from the peripheral neuropathy trial in China suggests that cGPMAX can improve the recovery of peripheral neuropathy.

8) What improvements might we expect to see in someone with Rett syndrome?

Potential improvement in overall brain development and function similar to the results seen from Daybue, given they work through the same mechanism. Currently, there is limited data on cGPMAX

Brain Health, however, the following information might help:

- An open label clinical trial in Parkinson's Disease involved 11 adult males. After 28 days of oral supplementation, they found increased concentration of cGP in the cerebral spinal fluid. Compared to scores before the supplementation, 28-day supplementation reduced the anxiety and depression scores. The participants have normal cognitive function, thus the supplementation did not alter the cognitive scores.
<https://doi.org/10.3390/nu10060714>
- One case study in Rett syndrome involved blackcurrant extract but the individual also received multiple other interventions including concomitant treatment IGF-1.
<https://doi.org/10.3390/reports1020014>
- Over the last 10 years, there have been several controlled randomized clinical trials for other indications mainly related to exercise performance, glucose control, and cardiovascular disease using blackcurrant extract.
[https://pubmed.ncbi.nlm.nih.gov/?term=\(Blackcurrant\)%20AND%20\(Anthocyanins\)&filter=pubt.randomizedcontrolledtrial&page=2](https://pubmed.ncbi.nlm.nih.gov/?term=(Blackcurrant)%20AND%20(Anthocyanins)&filter=pubt.randomizedcontrolledtrial&page=2)

9) How is the supplement given? e.g. capsule, liquid?

cGP MAX is currently available as a capsule – a hard shell with powder inside. We are working on a format that is more suitable for children e.g. powder dose

10) If a capsule – can it be dissolved in water and given via a gastric or nasal tube?

Yes, you can dissolve the full capsule in the water, or you can open the capsule and remove the powder. The powder is water soluble so can be made into a liquid. We have not had any feedback from our customers on gastric or nasal tubes so cannot comment.

11) Please tell us a little more about the dosage.

For adults (age 14y+) we recommend a daily dose of 40mcg of cGP per day.

For children (below age 14y) we suggest a paediatric dose of 10-20mcg cGP depending on body weight.

- Above 25kgs
1 capsule – 20mcg
- Below 25Kgs
1/2 capsule – 10mcg

To purchase, please see no. 17.

12) Do you know of any contraindications as to why some people should avoid it?

No, so far, we do not have any knowledge or information about contraindications in children. However, we have some feedback from parents of girls with Rett Syndrome who have reported positively on the product.

13) Are there any known interactions with other medications or particular health issues?

We have no information on medical interactions in children. However, the clinical trials conducted on adults were done with populations using other medications and have reported no known contraindications. Additionally, our current trial ensures that all participants continued the use of their normal medications. To our knowledge, we have not received any feedback on negative interaction with their

daily medication. We also believe that as a natural nutrient that is made from everyday food sources, the interactions of cGP with other drugs would be minimal.

14) Is it suitable for children and adults?

We have not completed any formal trials in children; however, we have had girls with Rett syndrome using cGP MAX and the feedback has been positive without any obvious side effects.

15) Are there any side effects? Common and less common?

So far, we do not see any side effects in adults.

16) What would happen if someone stopped taking the supplement? Would it need to be withdrawn slowly?

We have not done any review on children. However, in adults, you can take cGP MAX periodically or as need be and does not require a slow withdrawal.


17) Where can we buy it?

We are able to ship globally and orders can be placed either online at www.cgpmx.com or by emailing orders@cgpmx.com

PLEASE NOTE that only adult dosage (40mcg) is sold exclusively online at www.cGP MAX.com. If you order online, 'PAEDIATRIC DOSE' **must** be entered where it prompts 'Add a note to your order'.

See screenshot below.

Your cart [Return to shop](#)

PRODUCT	PRICE	QUANTITY	TOTAL
 cGP MAX Brain Health - Daily Supplement <small>Order 3 get 10% off</small>	\$75.00 \$67.50	- 3 +	\$202.50

Add a note to your order

How can we help you?

Subtotal \$202.50
Tax included and shipping calculated at checkout

CHECK OUT

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18) What is the cost?

Our full retail price is NZ\$75/bottle (which is a one-month supply). We offer 3 x month subscriptions at \$63.75 per bottle (15% discount). International orders incur freight, but we can consider a further 5% discount on large volume orders.

18) Where can I find out more information?

You can find access to all the detail on the development of natural cGP and the relevant scientific papers on www.cgp-health.com.