

# COGY

The Wheelchair for those who still believe.



©Awarded 「The 10 most beautiful bicycle of 2016」 by the British BCC selection

©Awarded the Golden Medal (Second Place) of the 2016 Japan GOOD DESIGN AWARD

My instant thought was  
'I can move my legs again!'



For the first time in 6 years I am able to move my legs!  
It still feels quite strange. The sensation of pedaling COGY is like walking up stairs. Usual physical rehabilitation routines are tiring and hard, but with COGY you can really enjoy it. It's given me a real boost of confidence.

Left Leg Paralysis due to Stroke - Mr. Ikuo Tateno

For me, I use  
it as physical training.



COGY can move you using very little physical exertion but at the same time, it allows you to build up a really good sweat. It's like good aerobic exercise. Life is about trying things out, and being surprised by them.

Spina Bifida - Ms. Rie Yamamoto

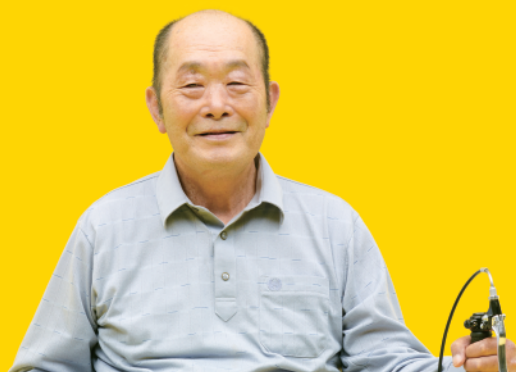
I thought  
COGY was not for me.  
But I was wrong.



It's been exactly 3 years since my accident. I'm used to wheelchair life now, and I'm even a part of a wheelchair basketball team. But when I tried COGY, I'm feeling the joy of being able to move again. It made me feel one day I'd like to go for a picnic with my wife on COGY.

Paralysis of Both Lower Limbs due to Spinal Cord Injury - Mr. Masaya Ito

It was so easy that  
I almost thought someone  
was pushing COGY.



When I first met COGY I honestly believed it won't work for me. I can stand with my legs, but I get very severe shivers. But now, I can move using my legs again! just give it a try and see how it can change lives.

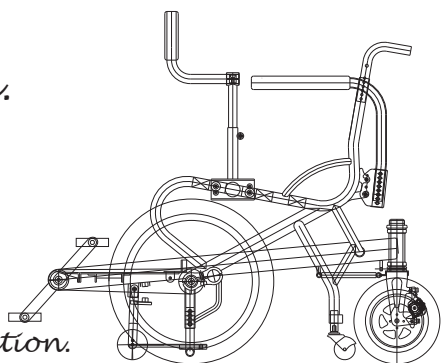
Traffic Accident Induced Cervical Spine Injury Resulting in Limb and Trunk Dysfunction - Mr. Hidetoshi Yamazaki

※Effects may vary from user to user.  
※Content has been restructured based on actual input from users.



*The secret to why the  
legs are able to move.*

1. *Extend one leg first.*
2. *which stimulates the walking hub located in the spinal cord.*
3. *The other leg will move accordingly due to reflex action.*



Signals from the brain make our limbs move. In the case of people with a disability, these signals from the brain cannot reach the legs. COGY promotes a reaction from the spine rather than brain, where even the slightest movement in one leg can create a reflex reaction where the opposing paralyzed limb will move. Information from the sensory nerves modulates the neural networks of the brain and spinal cord.

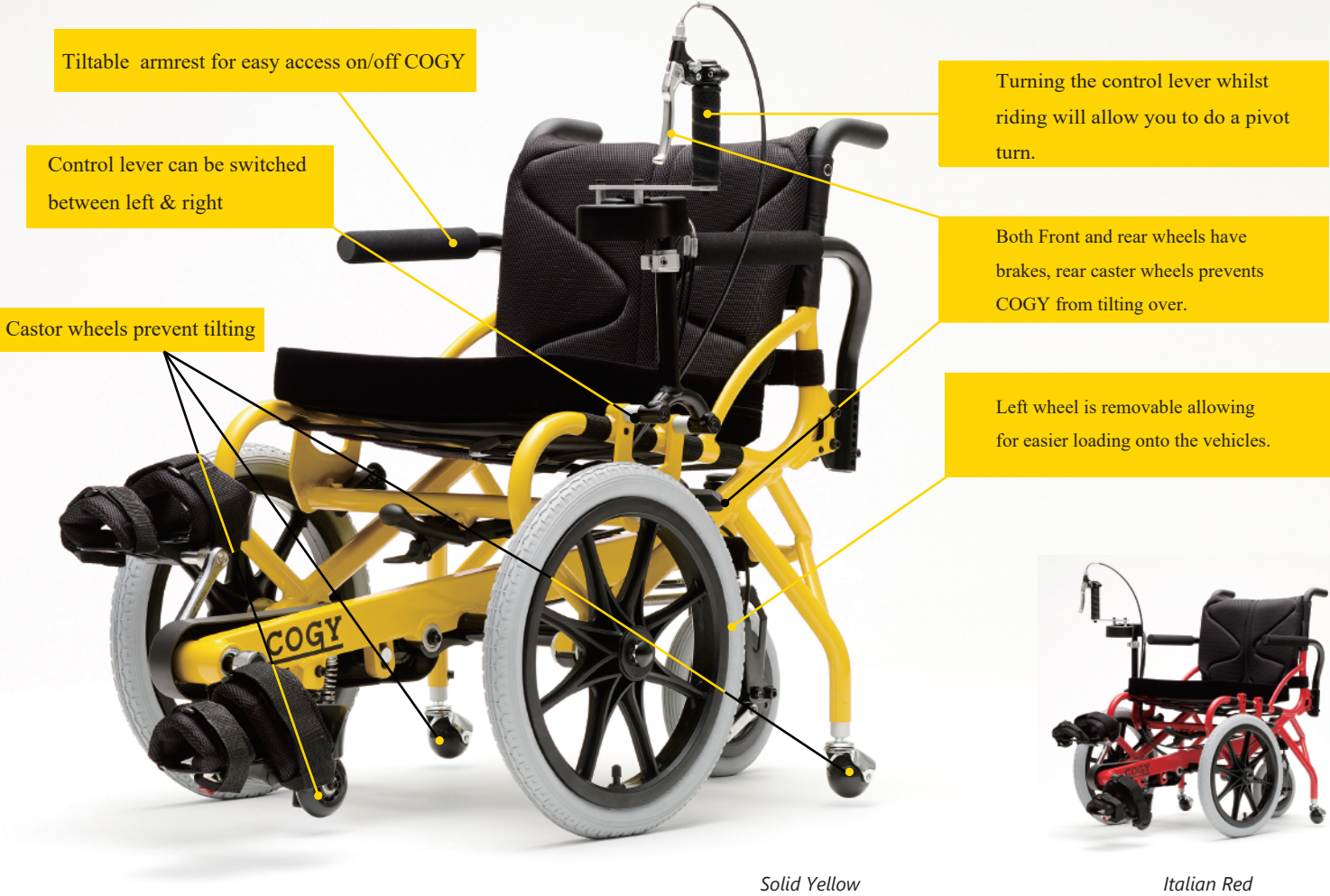
We call this neuromodulation.

Tohoku University Professor Emeritus - Yasunobu Handa

※Effect may vary. Therapeutic efficacy/Research results are not guaranteed.  
※Content shown here is based on research of Tohoku University Department of Medicine, Yasunobu Handa Research Group.



# Product



# Spec

Product	COGY	COGY	COGY
Model	1408DP (S)	1608RP/1608DP (M)	2010RP/2010DP (L)
Weight	12.56 kg (27.69 lbs )	14.8 kg (32.6 lbs )	17.3 kg ( 38.1 lbs )
Measurement	89 x 53 x 67 cm	115.5 x 62.7 x 88.1 cm	134.6 x 63.5 x 94.0 cm
Front Wheel	14 Inches	16 Inches	20 Inches
Rear Wheel	8 Inches	8 Inches	10 Inches
Front wheel brake system	Parking Brakes	Parking Brakes	Parking Brakes
Rear Wheel brake system	Drum Brakes	Drum Brakes	Drum Brakes
Capacity	100 kg ( 220 lbs )	100 kg ( 220 lbs )	136 kg ( 300 lbs )
Recommended Height	100 ~ 140 cm	145 ~ 180 cm	180 cm and above

Rear Caster Wheel : The left and right rear caster wheel prevents COGY from tilting over.

Front Caster Wheel : Prevents COGY from tilting forward and also acts as a shock absorber using the springs that are attached to it.

Control Lever : Italian Red for Right hand users.  
Solid Yellow for Left hand users.

Warranty Period : 1 year for consumables.

※When shipped, the tires will be deflated so please remember to inflate before use.  
(please inflate to the specifications labeled on the tire or please refer to manual)  
※Please read the user manual before using COGY.  
※Please check your surroundings and COGY thoroughly before riding.  
※Labels may differ due to different models, so please refer to the actual product and not the images.  
※According to traffic and safety regulations, COGY is catergorized as 「Pedestrians」  
※According to traffic and safety rules COGY is categorized as pedestrians.  
※There may be specification alterations and may differ from actual products.

## What ?

COGY was specially designed for people with walking disabilities, designed to be very lightweight, allows patients or elderly people to move around freely, most suitable and functional exercise equipment. COGY has the following features :

1. Even if you are half paralyzed, you can still use ride COGY by yourself
2. Move around freely according to ones own will
3. Designed for easy access
4. Able to do a (360°) pivot turn, maneuverable even in small spaces
5. High safety precautions taken, prevents front tilt and side tilt

## why?

COGY is the best rehabilitation equipment

1. Using ones own will power, summoning the natural abilities of the left and right moving in synchronization
2. Very lightweight, even if only one leg can move slightly anyone can ride on COGY
3. Using the hands 、legs 、eyes and ears in sync which promotes the most perfect rehabilitation effect
4. Moving by ones own will the user gains hope again which brings them a sense of self confidence
5. Unmatched in sense of fun, allowing rehabilitation to be less tiring and more enjoyable
6. Lightens the burden from caretakers and family
7. Comfortable and safe, can be used indoors for daily life

## Who ?

COGY is suitable for almost anyone, not really restricted to particular syndromes, as long as one leg is capable of moving even just slightly they are all suitable, the following are a list of recorded patients :

1. Stroke patients - half paralysis
2. Parkinson's disease patients
3. Spinal injury patients
4. Osteoarthritis patients
5. Unable to walk due to diabetes
6. Elderly - leg muscle degeneration
7. Rehabilitation patients due to traffic accidents

## More

COGY is also suitable for elderly people

1. Very lightweight, even people who are suffering from leg muscle degeneration are able to use COGY
2. Riding in a sitting posture, the legs are burden free from the weight of the upper body
3. Using hands 、legs 、brain 、eyes and ears all at the same time which prevents or slows down the possibilities of Dementia
4. Allows the elderly to have endless autonomic fun
5. Leg exercise benefits the lung and heart, maintains good health and decreases the chances of bad health, sickness and hospitalization
6. Very safe, even if they fall asleep while riding they will not be in danger

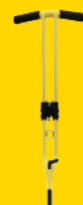
Lightweight Pedals



Leg Strap



Rear Assistive Stick



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