

# **PARATRIATHLON IMPAIRMENT ADAPTATIONS ON BICYCLES**

## **UPDATED ON 2012-11-08**

First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date	Page
Zoltan	Balogh	Male	HUN	TRI 4	Left hand impairment	Permanent	Problem solvers cable doubler which allow to operate both brakes with right arm. Additional adaption from original photos. Raised Left arm rest (approx. 1cm) and single brake on RHS	YES	2012-04-11; 2012-10-22	6
Andrea	Devicenzi	Male	ITA	TRI 2	Left leg impairment	Permanent	Carbon support for the absent limb as impairment adaptation	YES	2012-04-11	7
Oliver	Dreier	Male	AUT	TRI 4	Right hand impairment	Permanent	Problem solvers cable doubler which allow to operate both brakes and shifters with left arm.	YES	2012-07-25	8
Joe	Townsend	Male	GBR	TRI 1	Double above knee amputee	Permanent	The system is using works for the disability much the same as a quad may use an elbow shifter or a spinal injury may use a fork mounted break/ shifter combination.	YES	2012-07-25	9
Andrew	Owen Hughes	Male	NZL	TRI 2	Above-knee amputee	Permanent	Support for thigh (otherwise known as a 'stump bucket') to ensure smooth pedal stroking and to help prevent back injuries caused by excessive lateral movement.	YES	2012-09-25	10
Craig	Vogtsberger	Male	USA	TRI 3	Mild Traumatic Brain Injury, Incomplete Spinal Cord Injury, Left Hemiparesis, Autonomic Insufficiency, Dysautonomia.	Permanent	Problem Solvers Cable Doubler 1:2, two brakes with one control on right side. Road Bike: Problem Solvers Cable Doubler 1:2, two brakes with one control on right side and Sram Bar End Shifter on the right side in the bar end to shift the Front Derailleur. Inability to shift or brake with left hand due to Left Hemiparesis.	YES	2012-09-25	11



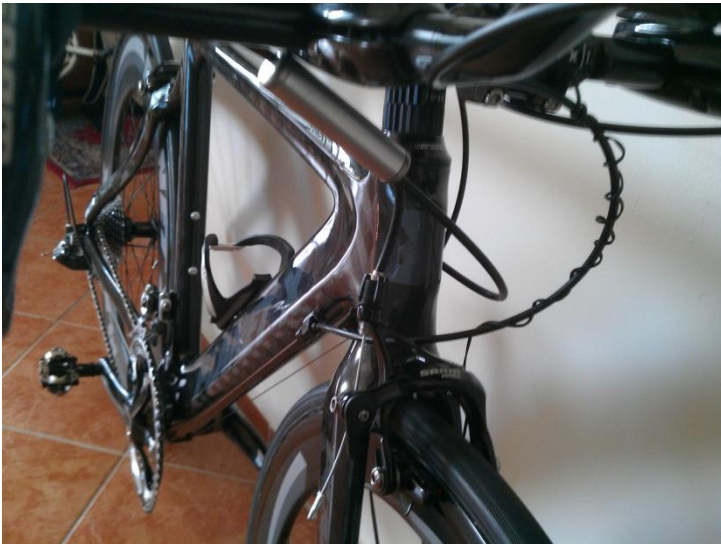
First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date	Page
James	Smith	Male	GBR	TRI 3	CP	Permanent	<p>“Di2 photos - Reason for Di2 custom adaptations to be used using one hand, this is so I have don’t have the brain control time delays, coordination or the dexterity issues associated with CP.</p> <p>Front and Rear brake photo – Reason for custom adaptations to be used using one hand, this is so I have don’t have the brain control time delays coordination or the dexterity issues associated with CP.</p> <p>Split bars and two stems photo – Reason for help with balance, stability coordination and control of the bike – I don’t fall off as much.”</p>	YES	2012-09-25	12-13
Larry Brian	Hicks	Male	USA	TRI 5	Left below knee amputee	Permanent	Athlete uses a pedal extender to prevent prosthesis from hitting the frame of the bicycle during riding. This same adaptation was used in Budapest in 2010 and in Beijing in 2011.	YES	2012-09-25	14
Lars	Hansen	Male	GER	TRI 4	Right hand amputation	Permanent	There is an adapter for the brakes: with one brake handle and the adapter he can use the front and rear brake together. There is a switched gearstick, to be able to use them with only the left hand.	YES	2012-09-25	15-16
Martin	Schulz	Male	GER	TRI 4	Dysmelie left arm	Permanent	An artificial 20 centimeter rod-like construction. Made out of metal and is used by triathletes to imitate the lower arm extension to the steering wheel.	YES	2012-09-25	17
Peter	Boronkay	Male	HUN	TRI 4	Dysmelie left arm	Permanent	Problem solvers cable doubler which allow to operate both brakes and shifter with right arm.	YES	2012-09-25	18



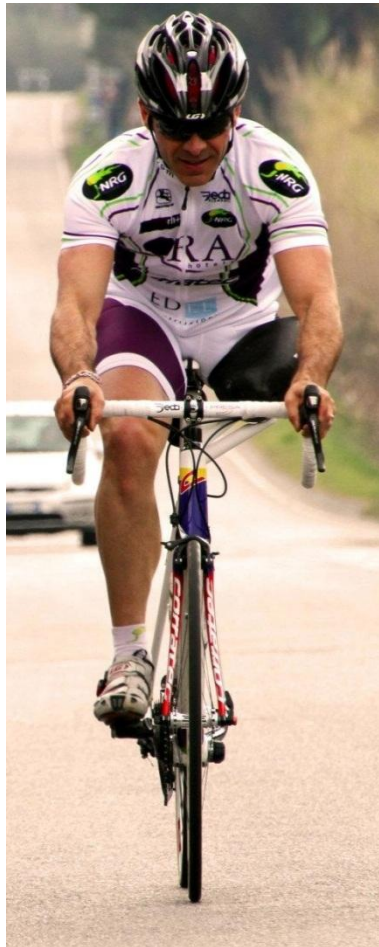
First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date	Page
Tisa	Cawton	Male	USA	TRI 4	Left arm amputated	Permanent	The bike equipment has been adapted to work on the right side of the handle bars. Shifting: The gears are finger tip shifters, the large crank shifter is on the left side of the cassette shifter; both of which are on the right hand side of the bike. Brakes: The front and rear brake cables converge to a single brake lever, which allows to operate the front and rear brake simultaneously.	YES	2012-09-25	19-20
Lauren	Steadman	Female	GBR	TRI 4	Right hand impairment	Permanent	Problem solvers cable doubler which allow to operate both brakes and shifters with left arm.	YES	2012-10-20	21
Claire	Cunningham	Female	GBR	TRI4	Left hand impairment	Permanent	Both brake cables go into one brake lever on the right hand side.	YES	2012-10-22	22
Raul	Zambrana Romero	Male	ESP	TRI 5	n/a	Permanent	Modifications to pedals	YES	2012-10-22	23
Santos	Caballero	Male	ESP	TRI 3	Left hand impairment	Permanent	No Left hand handlebar; Single brake located on right hand side	YES	2012-10-22	24
Ralf	Arnold	Male	GER	TRI 5	Left leg impairment	Permanent	Modification to Right hand side pedal of tandem bike	YES	2012-10-22	25
Mohamed	Lahana	Male	MAR	TRI 2	Right leg impairment	Permanent	Raised left hand side of handlebar by 1cm	YES	2012-10-22	26
Stephane	Bahier	Male	FRA	TRI 2	Right leg impairment	Permanent	Support for thigh (right hand side)	YES	2012-10-22	27
Ricardo	Marin Arces	Male	ESP	TRI 2	Right leg impairment	Permanent	Support for thigh (right hand side)	YES	2012-10-22	28
Alessio	Borgato	Male	ITA	TRI4	Right hand impairment	Permanent	Additional adaptor for arm that is not in the current adaption documents.	YES	2012-10-22	29
David	Travadon	Male	FRA	TRI 4	Right hand impairment	Permanent	Adaptor for right arm on handlebars; single brake on LHS	YES	2012-10-22	30

First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date	Page
Roberto Carlo	Silva	Male	BRA	Tri 4	Right hand impairment	Permanent	Only half handlebar (no right side); Braking on LHS	YES	2012-10-22	31
Nick	Ruane	Male	NZL	TRI 3	Left hand impairment	Permanent	Double right brake	YES	2012-10-22	32
Edith	Dasse	Female	FRA	TRI 4	Left hand impairment	Permanent	Single brake on RHS	YES	2012-10-22	33
Rafael	Oliver	Male	USA	TRI 4	Both hand impairment	Permanent	Adaption to handle bars (RHS); single brake operating front and rear on the LHS. Adaption to the profile bars – gear changing on profiles (LHS).	YES	2012-10-22	34

First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Zoltan	Balogh	MALE	HUN	TRI 4	Left hand impairment	Permanent	Problem solvers cable doubler which allow to operate both brakes with right arm. Additional adaption from original photos. Raised Left arm rest (approx. 1cm) and single brake on RHS	YES	2012-10-22



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Andrea	Devicenzi	MALE	ITA	TRI 2	Left leg impairment	Permanent	Carbon support for the absent limb as impairment adaptation; Adaptor of leg on seat and no crank on LHS	YES	2012-04-11; 2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Oliver	Dreier	MALE	AUT	TRI 4	Right hand impairment	Permanent	Problem solvers cable doubler which allow to operate both brakes and shifters with left arm.	YES	2012-07-25





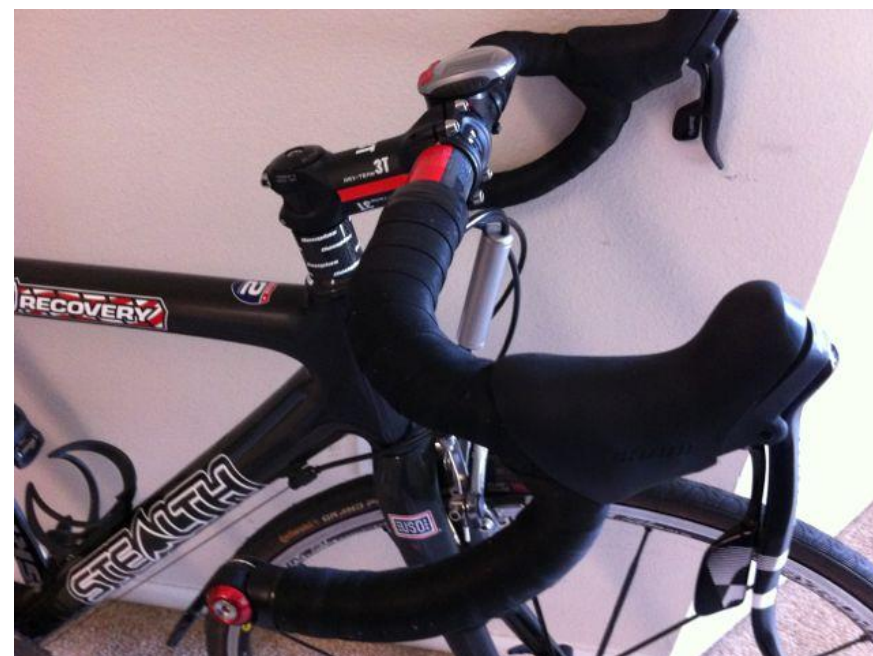
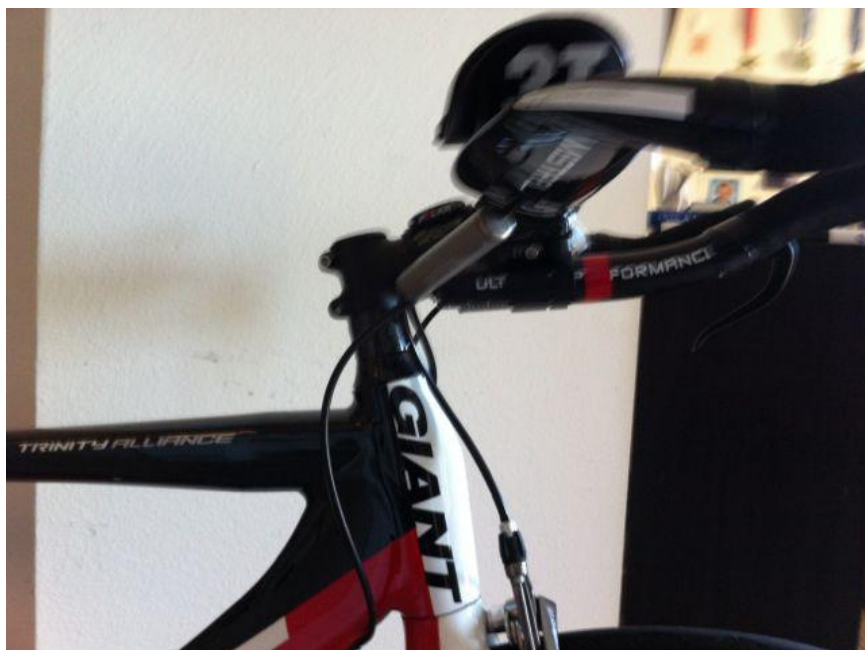
First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Joe	Townsend	MALE	GBR	TRI 1	Double above knee amputee	Permanent	The system is using works for the disability much the same as a quad may use an elbow shifter or a spinal injury may use a fork mounted break/ shifter combination.	YES	2012-08-30



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Andrew	Owen Hughes	MALE	NZL	TRI 2	Above-knee amputee	Permanent	Support for thigh (otherwise known as a 'stump bucket') to ensure smooth pedal stroking and to help prevent back injuries caused by excessive lateral movement.	YES	2012-09-25



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Craig	Vogtsberger	MALE	USA	TRI 3	Mild Traumatic Brain Injury, Incomplete Spinal Cord Injury, Left Hemiparesis, Autonomic Insufficiency, Dysautonomia.	Permanent	Problem Solvers Cable Doubler 1:2, two brakes with one control on right side. Road Bike: Problem Solvers Cable Doubler 1:2, two brakes with one control on right side and Sram Bar End Shifter on the right side in the bar end to shift the Front Derailleur. Inability to shift or brake with left hand due to Left Hemiparesis.	YES	2012-09-25



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James	Smith	MALE	GBR	TRI 3	CP		<p>"Di2 photos - Reason for Di2 custom adaptations to be used using one hand, this is so I have don't have the brain control time delays, coordination or the dexterity issues associated with CP.</p> <p>Front and Rear brake photo – Reason for custom adaptations to be used using one hand, this is so I have don't have the brain control time delays coordination or the dexterity issues associated with CP.</p> <p>Split bars and two stems photo – Reason for help with balance, stability coordination and control of the bike – I don't fall off as much."</p>	YES	2012-09-25





First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Larry Brian	Hicks	MALE	USA	TRI 5	Left below knee amputee	Permanent	Athlete uses a pedal extender to prevent prosthesis from hitting the frame of the bicycle during riding. This same adaptation was used in Budapest in 2010 and in Beijing in 2011.	YES	2012-09-25



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Lars	Hansen	MALE	GER	TRI 4	Right hand amputation	Permanent	There is an adapter for the brakes: with one brake handle and the adapter he can use the front and rear brake together. There is a switched gearstick, to be able to use them with only the left hand.	YES	2012-09-25







First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Martin	Schulz	Male	GER	TRI 4	Dysmelie left Arm	Permanent	An artificial 20 centimeter rod-like construction. Made out of metal and is used by triathletes to imitate the lower arm extension to the steering wheel.	YES	2012-09-25



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Peter	Boronkay	Male	HUN	TRI 4	Dysmelie left Arm	Permanent	Problem solvers cable doubler which allow to operate both brakes and shifter with right arm.	YES	2012-09-25



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Tisa	Cawton	Male	USA	TRI 4	Left arm amputated	Permanent	The bike equipment has been adapted to work on the right side of the handle bars. Shifting: The gears are finger tip shifters, the large crank shifter is on the left side of the cassette shifter; both of which are on the right hand side of the bike. Brakes: The front and rear brake cables converge to a single brake lever, which allows to operate the front and rear brake simultaneously.	YES	2012-09-25

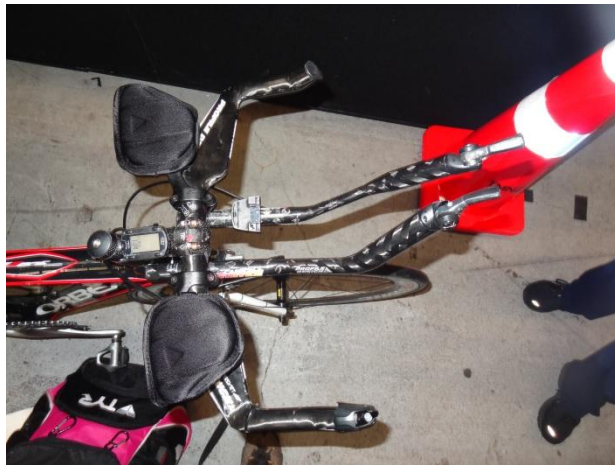




First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Lauren	Steadman	Female	GBR	TRI 4	Right hand impairment	Permanent	Problem solvers cable doubler which allow to operate both brakes and shifters with left arm.	YES	2012-10-20



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Claire	Cunningham	Female	GBR	TRI4	Left hand impairment	Permanent	Both brake cables go into one brake lever on the right hand side.	YES	2012-10-22

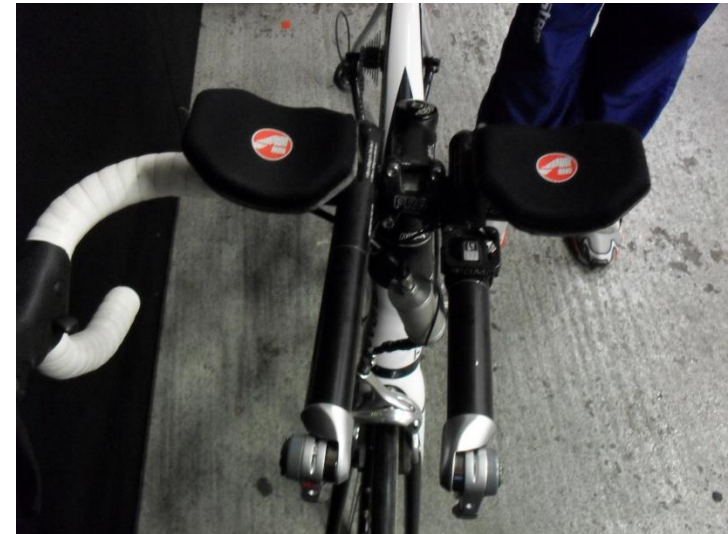


First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Raul	Zambrana Romero	Male	ESP	TRI 5	n/a	Permanent	Modifications to pedals	YES	2012-10-22



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First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Santos	Caballero	Male	ESP	TRI 3	Left hand impairment	Permanent	No Left hand handlebar; Single brake located on right hand side	YES	2012-10-22





First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Ralf	Arnold	Male	GER	TRI 5	Left leg impairment	Permanent	Modification to Right hand side pedal of tandem bike	YES	2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Mohamed	Lahana	Male	MAR	TRI 2	Right leg impairment	Permanent	Raised left hand side of handlebar by 1cm	YES	2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Stephane	Bahier	Male	FRA	TRI 2	Right leg impairment	Permanent	Support for thigh (right hand side)	YES	2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Ricardo	Marin Arces	Male	ESP	TRI 2	Right leg impairment	Permanent	Support for thigh (right hand side)	YES	2012-10-22



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Alessio	Borgato	Male	ITA	TRI4	Right hand impairment	Permanent	Additional adaptor for arm that is not in the current adaption documents.	YES	2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
David	Travadon	Male	FRA	TRI 4	Right hand impairment	Permanent	Adaptor for right arm on handlebars; single brake on LHS	YES	2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Roberto Carlo	Silva	Male	BRA	Tri 4	Right hand impairment	Permanent	Only half handlebar (no right side); Braking on LHS		2012-10-22



First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Nick	Ruane	Male	NZL	TRI 3	Left hand impairment	Permanent	Double right brake	YES	2012-10-22





First name	Last name	Gender	NF	Category	Impairment	Request of adaptation	Description of adaptation	Approved	Approval date
Edith	Dasse	Female	FRA	TRI 4	Left hand impairment	Permanent	Single brake on RHS	YES	2012-10-22



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Rafael	Oliver	Male	USA	TRI 4	Both hand impairment	Permanent	Adaption to handle bars (RHS); single brake operating front and rear on the LHS. Adaption to the profile bars – gear changing on profiles (LHS).	YES	2012-10-22

