

simula



it builds the **ideal posture**

costruisce la postura **ideale**



#### ADACTA SIMULA DESCRIPTION

The realization of a positioning system can be of efficacy only when it comes from a correct evaluation of the patient.

The evaluation of the positioning system should be done directly on the patient and made in supine and sitting position.

ADACTA SIMULA is the evaluation instrument which allows the professional operator to take the patient's measurements, whether child or adult, in a fast and exact way.

In addition, ADACTA SIMULA, allows to evaluate the effectiveness of each solution by the immediate feedback from the patient. In this way it is possible to provide a positioning system that matches the rehabilitation program.

The assistance and the operative support provided by PRO MEDICARE's specialized technicians permit the seating Specialists to use a professional instrument by taking advantages from a reliable and experienced partner.

The use of ADACTA SIMULA is preceded by a certified training at PRO MEDICARE's headquarter and can be followed, on request, by a service of assistance and technical support during the initial evaluations.

With ADACTA SIMULA the positioning system ADACTA VERSA becomes a ...

... "tailoring dress quite fitting as not to notice to wear"!

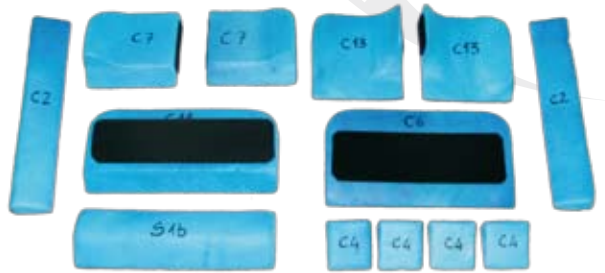


#### THE IDEAL POSTURE...

The ideal posture..... Is the USEFUL position that each individual takes in the space, which is the result from the mutual relation between the different body segments and between them and the environment considered as a physical space in order to achieve the Purpose ...

... AND ALL TURNS AROUND THE CONCEPT OF BARYCENTRE ALSO KNOWN AS CENTRE OF GRAVITY.

The evaluation instrument for positioning systems



Large range of COMPONENTS



a tailoring dress  
quite fitting





**PRO MEDICARE'S PROTOCOL** is a valid support to the prescribed project of the Postural Solution...

...The machine designed to **balance the body and gravitational loads and enable support**, compensation to the deformities in an uniform way,

## So to

allow the achievement of an harmonious and homogeneous support surface, adhesive and relaxed, a comfortable and safe sitting position, and promote the beginning of the rehabilitation project **useful to the patient**.

### the phases of the protocol

#### 1 Knowledge

The analysis of the patient's needs. Knowing the patient, his environment and the rehabilitation project.

#### 2 Evaluation

It will consider: device/positioning system in use, supine joints evaluation, body measurements, positioning trials and the simulation of an "Integrated positioning system".

#### 3 Choice

In this phase it will be chosen the kind of positioning system, of the possible position of upper/lower limbs and head as well as the accessories, the frame and its movements in space.

#### 4 Delivery

During the delivery the positioning system will be adapted on the patient and the use/instruction manuals will be delivered as well to him or to his relatives/caregivers together with the warranty card. At the same time it will be fixed a date for the first check-up after delivery.

#### 5 Follow-up

The first will be done after 15 days from the date of delivery, then after 3 months. In this phase all procedures about the use will be checked and readjustments or integrations will be done.



Following **PRO MEDICARE'S** Protocol means offering the patient a professional and qualified service. PRO MEDICARE gives support to all the professionals who would like to adhere to its Protocol.

ADACTA SIMULA is a flexible instrument very easy to use. The great variety of shapes and accessories included in the kit, allows to accommodate the positioning system able to match any patients in a very customized manner.

The kit includes components for simulate the positioning system: wedges, abductors, spacers, lumbar supports, thoracic supports, mounting brackets, harnesses and pelvic strap.



Shapes



Additional elements



Mounting Hardware



Seats, backs and paddings

## TECHNICAL FEATURES

- Modular rigid frame in aluminum size M (41x50 cm.); Tilt in space with gasprings up to 30° and reclining mechanism with plate from 3° up to 22° with quick release pin.
- Multicolor frame for choosing the color of the ADACTA frame
- Longitudinal telescopic tubes extensible to match the depth of the seat also asymmetrically.
- Elevating knee angle.
- Multi-adjustable footplates (flex-extension, intra-extra rotation, height, depth).
- N° 8 wooden blocks 15x20x2,5 cm. for the simulations of higher grade of backward tilt in space or anterior/lateral tilt in space.
- The seats, the backrests and the accessories have holes drilled and tracks for multi-adjustments.
- The holes on the backrests are for headrests and harnesses mountings.
- Range of possible evaluations: Hip width from 21 cm. up to 44 cm., depth from 34 cm. up to 50 cm., backrest height from 35 cm up to 50 cm

### BACKRESTS

- 1 rectangular backrest size M, flat padding with hook and loops
- 1 rectangular backrest size XS, flat padding with hook and loops provided with AD KIT hardware for mounting on the frame
- 1 kit of vertical tracks for quick adjustments of the thoracic support

### SHAPES FOR BACKREST CUSTOMIZATION

- 2 triangular shapes size 50x7x3 cm. black color
- 2 triangular shapes size 42x7x3 cm. blue color
- 2 triangular shapes size 15x7x3 cm. black color
- 4 triangular shapes size 8x8x3 cm. black color
- 4 triangular shapes size 8x8x3 cm. blue color
- 1 lumbar support size 36x10x3 cm. black color
- 1 lumbar support size 42x15x3 blue color

### SEATS

- Solid base size M upholstered with black color cover
- Solid base size XS upholstered with black color cover provided with AD KIT hardware for mounting on the frame
- 1 kit of tracks for quick adjustments of the hip guides;
- Split padding size M composed by 3 layers of foam with Lycra/Neoprene cover
- Split padding size XS composed by 3 layers of foam with Lycra/Neoprene cover

### SHAPES FOR SEAT CUSTOMIZATION

- 1 Split contour shape size M black color
- 1 Split contour shape size XS blue color
- 1 Split anti-thrust shape with adductors size M black color
- 1 Split anti-thrust shape with adductors size XS blue color
- 1 Anti-thrust shape size M black color
- 1 Anti-thrust shape size XS blue color
- 1 Leveling wedge size M 3 cm. height black color
- 1 Leveling wedge size XS 3 cm. height blue color

### ADDITIONAL ELEMENTS

#### - Abductors

- 1 abductor size M
- 1 abductor size S

#### - Hip Guides

- 1 pair of linear hip guides size M
- 1 pair of linear hip guides size XS
- 1 pair of contoured hip guides size M

#### - Upper limbs Supports

- 1 pair linear of flat arm support size M
- 1 pair linear of flat arm support size XS
- 1 piece of curved elbow shaped arm support size M
- 1 piece of curved palmar shaped arm support size M

#### - Thoracic supports

- 1 pair of flat thoracic supports size M
- 1 pair of flat thoracic supports size XS
- 1 pair of curved thoracic supports size M
- 1 pair of curved thoracic supports size XS

#### - Fasteners

- 1 butterfly dynamic chest vest size M
- 1 harness H-Style size S
- 1 pelvic strap size M
- 1 pelvic strap size S

#### - Multi-adjustable mounting hardware

- 2 long L brackets for armrests height adjustments
- 2 short L brackets for armrests height adjustments
- 2 extra long fixed brackets 2,5 cm. offset
- 2 extra long fixed brackets 5 cm. offset
- 2 long L brackets
- 2 reverse L brackets
- 2 pairs of quick release assorted brackets (2,5 cm and 5 cm. offset and 2,5 cm. reverse)
- 1 abductor mounting bracket

# Clinical Case

## A RESULT OF VALUE

33 years old patient affected by Cerebral Palsy, high extensor tone, difficulty to keep the sitting position, lack of communication and socialization.



2001 - Analysis of the patient in sitting position on the system in use



2005 - Analysis of the patient in sitting position on the system in use



2005 - Analysis of the patient in supine position and joints evaluation



2005 - Trials on ADACTA SIMULA



View of the arrangements of the evaluator with the lateral tilt in space left side

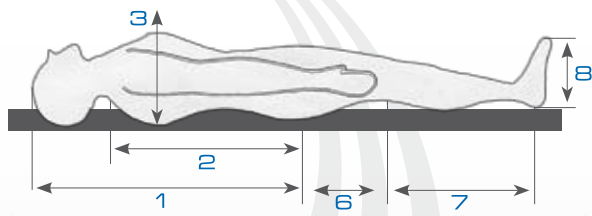


2005 - Delivery of the positioning system, achievement of the goals: keeping the sitting position and help the communication and socialization.

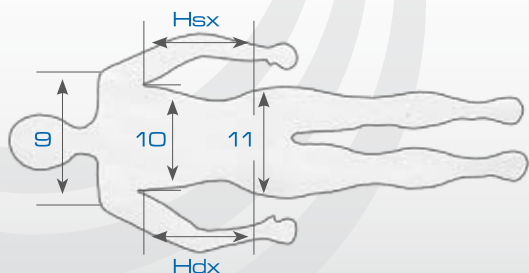
# Measurement Form

...from PRO MEDICARE's Protocol the instruments for the evaluation

### SUPINE measurements



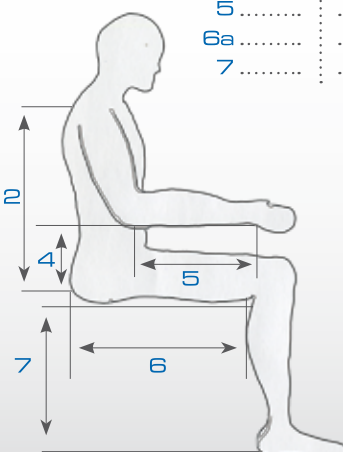
- | left    | right |
|---------|-------|
| 1 ..... | ..... |
| 2 ..... | ..... |
| 3 ..... | ..... |
| 4 ..... | ..... |
| 5 ..... | ..... |
| 6 ..... | ..... |
| 7 ..... | ..... |
| 8 ..... | ..... |
| H ..... | ..... |



- |                       |
|-----------------------|
| 9 .....               |
| 10 .....              |
| 11 .....              |
| Head Circ. (cm) ..... |
| Weight (kg) .....     |

### SITTING measurements

- | left     | right |
|----------|-------|
| 2 .....  | ..... |
| 4 .....  | ..... |
| 5 .....  | ..... |
| 6a ..... | ..... |
| 7 .....  | ..... |





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