

# SYSTEM AIDING MOBILITY (S.A.M)



The S.A.M System range is a complete range of accessories for beds with new functions to improve the independence, the autonomy and the mobility of elderly people and at the same time to reduce and to facilitate the intervention of the nursing staff.

The S.A.M System has been developed in collaboration with occupational therapists, expert clinicians and designers taking into account the needs of people with reduced mobility.

## « Loss of autonomy is not inevitable »

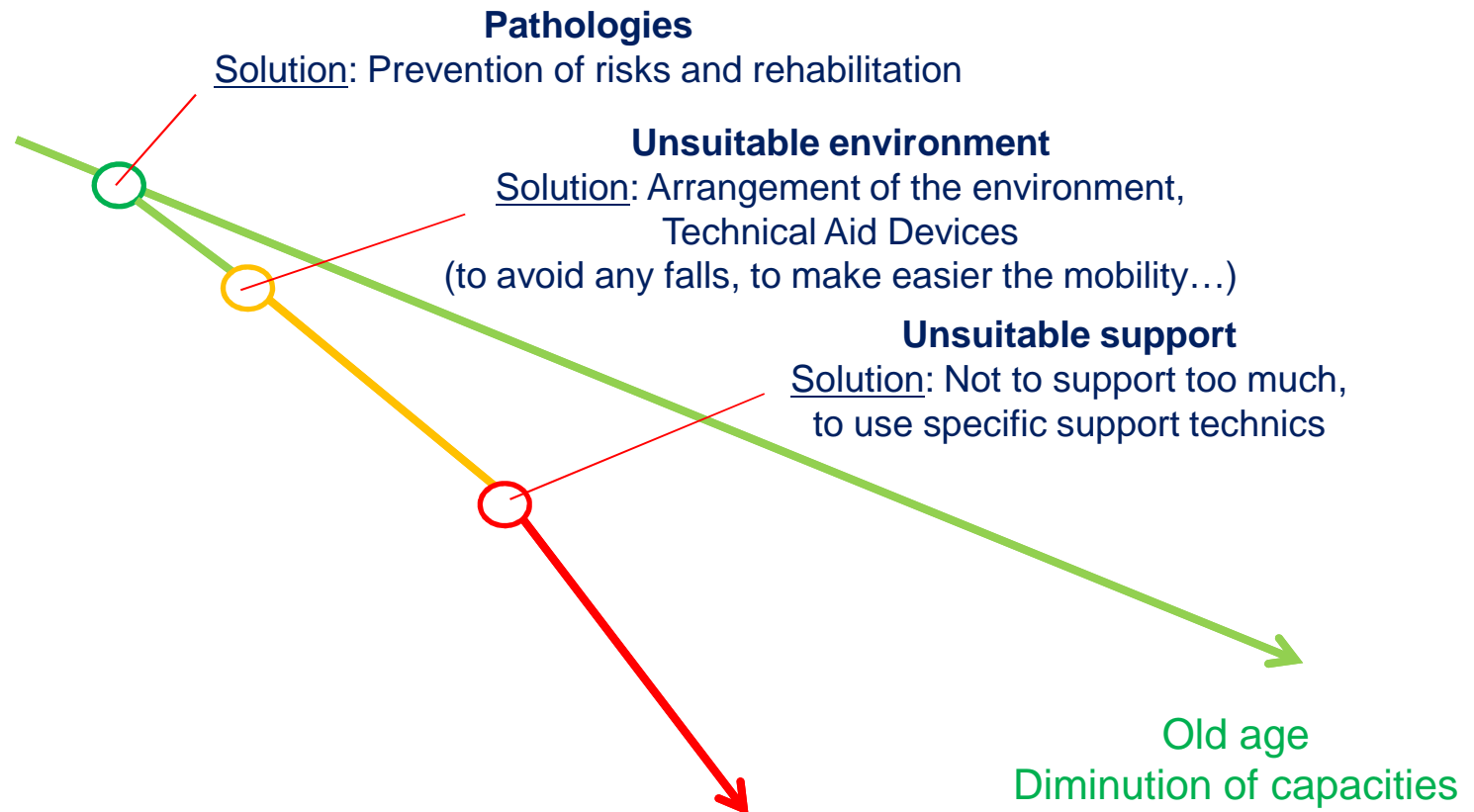
The old age leads to the reduction of functional performances which do not always limit the autonomy in the activities of the daily life.

- Diminution of the strength and the flexibility
- Diminution of the speed
- Diminution of the balance

The preservation of capacities to take part in the activities of the daily life is essential. People who can compensate their loss of autonomy are less restricted in their activities and less need the help of a third.

Loss of autonomy is not only due to old age. This phenomenon can be due to chronic or acute pathologies which lead to functional limitations, to an environment or a support not adapted.

## LOSS AUTONOMY MECHANISM



## MODIFICATION OF MOTOR SCHEMAS

- The old age can modify the motor schemas
  - Adaptation to compensate the diminution of strength
  - Adaptation to compensate the diminution of motor slowing down
 Ex: Elderly people bend forward to get up
  
- The pathologies can modify the motor schemas
  - Adaptation to compensate the reduction of joint motion
  - Adaptation to compensate the muscular weakness

The loss of autonomy is often due to unsuitable motor schemas  
 Ex: Motor coordination problems, disorders to organize the movements

People don't know anymore how to do the basic movements such as to sit down, to stand up...

The weakened motor schemas can be improved by a suitable arrangement of the environment and technical aid devices adapted such as the S.A.M System.

The S.A.M System can be used to protect without to restrain the patient, to stand the patient up from the lying to the seated position, for lateral rotation.

## COMPLETE RANGE OF S.A.M System



SAM EVOLUTION



## S.A.M EVOLUTION

For lateral rotations



To stand up from the lying to the seated position



To stand up from the bed



## S.A.M EVOLUTION



For the protection and the safety of the patient



### S.A.M BLOCK as an option

To convert the System Aiding Mobility into a side rail in case of the prescription requires the physical restraining of the patient.



## S.A.M ACTIV

SAM ACTIV



To stand up from the lying to the seated position

SAM ERGONOM



## S.A.M ERGONOM

For lateral rotations

To stand up from the lying to the seated position

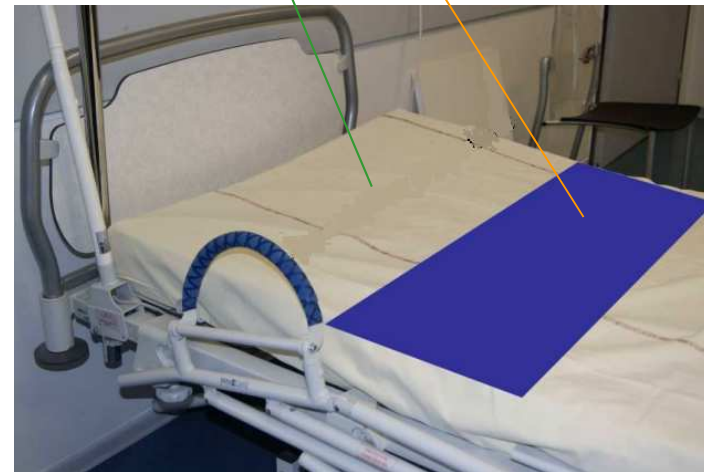
## S.A.M ERGONOM

For lateral rotations



Free space for the patient

Free space for the nursing staff



## S.A.M ERGONOM

To stand from the lying to the seated position



**30° angled handle** to avoid any shoulder abductions:

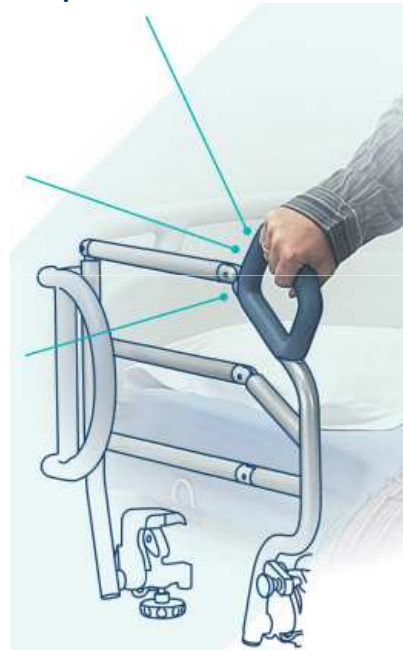
- Frozen shoulder
- Cap shoulder

**Colored handle** for patients presenting:

- Age-related macular degeneration
- Long-sightedness
- Cataract

**Digitopalmar handle**

- Osteoarthritis
- Muscular weakness



## S.A.M System

FUNCTIONS	SAM EVOLUTION	SAM EVOLUTION PLUS (SAM EVOLUTION + SAM BLOCK)	SAM ACTIV	SAM ERGONOM
Aid for lateral rotation				X
Aid to stand up			X	X
Aid to secure	X	X		
Aid to restrain		X		

## S.A.M System

Clinical recommendations	SAM EVOLUTION	SAM EVOLUTION PLUS (SAM EVOLUTION + SAM BLOCK)	SAM ACTIV	SAM ERGONOM
Motor unbalance			X	X
Asthenia	X	X		X
Paresis of the lower limbs				X
Discal disorders			X	X
Muscular weakness in the abdominal and pelvic area			X	X
Motor slowing down				X
Unbalance seated position	X	X		X
Low vision	X		X	X
Anxiety	X	X		
Agitation, confusion		X		

## S.A.M System

Benefits for the patient	Benefit for the nursing staff
<ul style="list-style-type: none"> <li>-Increase the independence, the autonomy and the mobility of people with reduced mobility</li> <li>- Safety for the patient in and out the bed</li> <li>- Equipment adapted to different patients' pathologies ( frozen shoulder or cap shoulder, age-related macular degeneration, osteoarthritis...)</li> </ul>	<ul style="list-style-type: none"> <li>-Reduction of the workload of the nursing staff = significant saving of time to care patients</li> <li>- No more side rails, free space for the nursing staff = easy nursing gestures = no more dorso lumbar problems = decrease of Repetitive Strain Injury (RSI) = less sick leaves = cut of costs due to sick leaves</li> </ul>

## S.A.M System

Benefits for the nursing staff	SAM EVOLUTION	SAM EVOLUTION PLUS (SAM EVOLUTION + SAM BLOCK)	SAM ACTIV	SAM ERGONOM
Free space	X			X
Aid to mobility	X		X	X
Aid for the transfer from bed to armchair	X		X	X
Free space for transfer from bed to stretcher trolley	X			X
Aid to restrain		X		
Decrease of the workload	X	X	X	X
Prevention of RSI	X			X



**S.A.M SYSTEM**  
**=**  
**AUTONOMY OF PATIENT**  
**ERGONOMICS FOR THE NURSING STAFF**  
And **SAFETY AROUND THE BED**

