

What to Consider When Selecting a Mounting System: Mount 'n Mover Webinar

October 31, 2017

Learning Objectives – Overview of Today's Session

Types of Mounts

Simple: Basic support, static

Added Features: Movable, locking

High Tech: Powered

Movable Mounts

Static vs. Movable

Static Mount

Impede transfers

Obstructs vision

Single operating position

Most cannot be moved independently

Movable Mount - Consider if you want...

Move independently

Set multiple lock positions, changes with ability

Safety – visual or physical access, reduce tipping hazard

Use multiple devices

Mount 'n Mover products

NEW! Simple Mounts

Quick Connect

All Swivel - Lay Horizontal -Vertical Tilt -Folds Down flat for Storage (trays)

Customizable Support Edges for Trays

Double Decker

Mount'n Mover Options

Moving the Arm

1. **Press** hoop. Unlocks both shoulder and elbow.
2. **Move** both arms at once. Use hoop to steer.
3. **Let up** on the hoop.
Continue moving arms to find a memory lock position.

Rotate the Wrist

1. **Press PADDLE** to unlock wrist. Wrist is momentarily unlocked at that position.
2. **Move it!** Wrist will remain unlocked until it finds memory lock position.

One-handed operation!

Adjust the Tilt

1. **Unlock:** move tilt lever to the right.
2. **Adjust tilt angle:** push down or pull up on the device.
3. **Lock:** move tilt lever to the left.

High or Low resistance hinge available.

High resistance hinge recommended for large devices 5 pounds or heavier.

Customize Lock Positions

Quick Release Plate (QRP)

The QRP is needed to attach a device or tray to the Mount'n Mover.

New Easy Mover

Table Mounts

Device & Tray

Attachment Options

iTab Tray - Tray with Lip -Laptop Tray -Stand +90

Increase Access = Results

"We started to notice that when students had access throughout the ENTIRE day, in any and every piece of equipment, this constant access led to increased communication. There were no more sabotaged

"speech" sessions. The set-up time significantly decreased, and anyone could do it! Kudos to this company! It was a total game changer!"

~Julie, OT Elementary School

Library Use

Exploration Station, Providence and Cranston Public Library Cranston Rhode Island

Grant from Institute of Museum and Library Services called ALL ACCESS

Universal Access Station Kit

One Mount – Many Uses

Mount Tilts with Chair

Obed - The Mount'n Mover supports Obed's trumpet so he can play!

Move For Visual Access

Anthony

Transfer from Chair to Bed

Access Beyond the Chair

Double Decker

Multipurpose

Eye Gaze

Optimizing Position for Eye Gaze

Greta – Independence! Greta places her order independently

Stand+90 & Universal Rotator

Sophia needed to use eye gaze for access to her communication device while in bed and in her chair

Solution: Floor Stand, Dual Arm, Stand +90 with Universal Rotator

Grows with Client to Meet Changing Needs

Meet Gae

ALS - Mount Changes as Abilities Change

Single Joint Pow!r

New Pow!r Mount

Shoulder Hybrid System

New Pow!r Mount

Tilt Hybrid System

Direct, Single or Dual Switch Access

Case Study: Scott

Mayo clinicians and BlueSky Designs

Overview - Scott

Tetra paresis due to SMA

Lives alone in the community

Enjoys playing games, watching movies and socializing with friends on the computer

Need for power mount:

Create opportunity to self-suction oral secretions while home alone

Scott's Computer Workstation

Challenges: Limited care time – set up at desk in power wheelchair, Decrease risk for aspiration pneumonia, choking and respiratory infections, Thumb and Index finger flexion, extension, minimal pronation/supination on right hand, slight pronation on left hand

Using voice increased saliva, gurgle sound

Solution: Independent Suctioning via a Hybrid Mount with Power Shoulder

Power shoulder joint

Brings yankauer into position with thumb and MicroLite switch

Actuates suction with index finger and 2nd switch

Attaches tube to plate with PVC angle and clips

Final Setup

Scott: Case Study Outcomes

Quantitative: Decrease in frequency of respiratory illness

Qualitative:

Patient-Specific Functional Scale

Score increased from 0 to 10 with self-suctioning independence

Decreased anxiety: "I would limit what I would do because I had a feeling of drowning"

Increased engagement with friends: "I actually talk to people a lot on the computer and now I can talk the whole time...my voice doesn't get gurgly"

Future Developments

Power Mount Multiple Joints

Power Mount

App's Main Screens

Targets—to quickly move to favorite positions

Adjust—to make adjustments to individual joints

Groups—Sets of targets for devices or environments

Assessment Questions

Does it allow for daily adjustments for change in positioning, growth, fatigue, or environment?

Can the mount be used independently by the user?

Does the mount allow access to a variety of items?

Can it provide multiple operating positions without the use of tools?

Does it enable independent access to a communication device in all situations and environments at all times?

Can the device be moved out of the way rather than removed entirely risking damage and loss?

Does the mount provide consistent positioning for specific locations?

Can it be moved from chair to bed thus eliminating the need for 2 mounts?

Does it help caregivers set up device?

Medical Justifications

Need to access from a tilted position

Improved visual access for driving

Positioning for access from more than one position (direct and eye gaze)

Able to quickly move the device

Hygiene: able to use a sink and toilet

Positioning changes, so device must change

Must adapt as abilities change (ALS, MD...)

Safety – keep chair from tipping

See: www.mountmover.com/evaluate-buy/funding/

Letter of Necessity

Provides independence through positioning and ease of use

Allows for appropriate communication device position while the chair is tilted

Provides (name) continuous access to their communication device in the event of an emergency

Decreases tipping hazard

Improved visual access for driving/wheeling

Customized lock positions avoids caregiver guessing and frustration

Provides access to technology/communication 24/7 in case of emergency

Health Benefits

Optimal Positioning and Access Provides:

Ability to exercise without restrictions

Improved range of motion & fine motor dexterity

Improved access to sink and toilet (hygiene)

Improved ability to eat (up to a table or positioning of tray)

Improved ergonomics; less pain

Ability to change positioning based on the activity

Better head control due to device positioning (height & tilt)

Less fatigue

Psychosocial Benefits Of A Moveable Mount Reported

Evidence: Study by Ithaca College OT Department

PIADS: How are you affected by the Mount'n Mover?

Adam Kinney, MS and Lynn Gitlow, PhD, OTR/L, ATP

"A Consumer-Centered Approach to Evaluating Assistive Technology Usability Outcomes"

June 2015 issue of American Occupational Therapy Association Special Interest Section on Technology.

Increase: Competence, Adaptability, Self-Esteem

Decrease: Frustration, Embarrassment, Confusion

Impacted more than device access, unrelated tasks were easier to perform. Tasks included: transferring, answering calls, socializing, feeding, shopping, and adaptive baseball.

Resources –Therapist Page

PowerPoint - Considerations When Choosing a Mount – see PowerPoint

Funding information

Research

Videos

Reviews

And more! **Videos:** Gae – ALS, Rick – Spinal Cord Injury, Sophia – SMA, Eye Gaze

Evaluation Kits

BlueSky Dream Team

Thank you!

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