

# Balanseat

keep your balance



Balanseat was developed by MoPair Technologies specifically to help frail elderly and the neurologically impaired. Designed to regain balance, mobility, and independence, while reducing the risk of falls using MoPair's unique 'active-sitting' technology.

## The Balanseat

- An innovative motor training device that applies rotational movement along the trunk and thighs
- Restores walking abilities while patient is comfortably seated
- Demonstrated marked improvement in common physiotherapy functional parameters that are correlated to risk of falls and level of ambulation
- Ideal for the frail elderly who are unable to use current gait rehabilitation devices that focus on intensive leg exercise

## Balanseat demonstrated improved ambulation and a decrease in risk of falls

- A reduction in direct costs related to falls and fall injuries
- Enhanced integration in the community life
- Improved prognosis and quality of life



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## Clinical Pilot Studies

### Seniors:

- 19 patients (average age 83), Lev Ganim, Netanya, Israel - Assisted Living Facility (2017)

### Neurologically Impaired:

- 5 Multiple Sclerosis (MS) patients , Sheba Medical Center (2015)
- 34 patients (14 MS, 11 post-stroke, 9 others) ,Mopair's Clinic (2016-2017)

### Treatment Methodology:

30-minute sessions, twice a week for 6 weeks (total of 12 sessions)

Outcome parameters are measured before treatment, after 6 sessions and at the end of the treatment

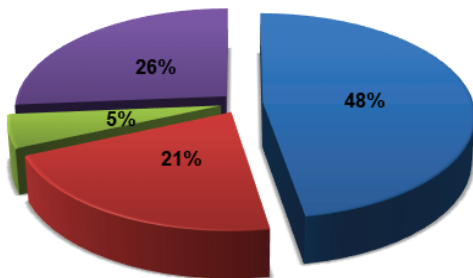
### For The 19 Seniors Patients:

More than 50% of patients improved more than the appropriate MDC (Minimal Detectable Change) - an estimate of the smallest amount of change that can be detected that corresponds to a noticeable change in a clinical ability

#### 10 Meter Walk Test (10MWT) - speed of walking Highly correlated to Mobility and Ambulation

% improvement  
after 12 sessions:

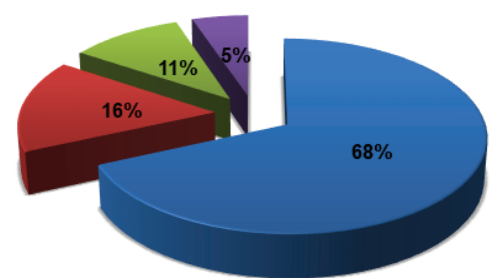
- Above 30%
- Between 10-30%
- Up to 10%
- No improvement



#### Functional Reach Test (FRT) A quick screening test for determining risk for falls

% improvement  
after 12 sessions:

- Above 30%
- Between 10-30%
- Up to 10%
- No improvement

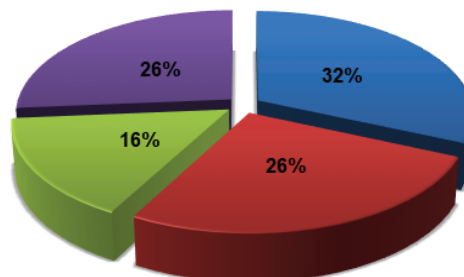


#### Timed Up & Go (TUG)

Determine risk of fall, balance, gait and general independence

% improvement  
after 12 sessions:

- Above 30%
- Between 10-30%
- Up to 10%
- No improvement



Comment: The graphs show % out of total 19 senior patients



Combining in-depth understanding of gerontology and neuro-rehabilitation with an innovative training platform, Balanseat offers a highly beneficial solution for assisted living facilities, elderly day care centers, physiotherapist clinics and rehab facilities