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## **Chronic Stroke (after 1 year)**

- Improvements can and do occur after the first few months
- People learn new ways to do things (compensate)
- Brain can regain connections, but it takes a lot of repetitions

FAME





















Perturbations

Improvements from FAME	
Variable	Change
Balance	2-5 points Berg Balance Scale
Postural reflex	25 ms faster
Falls (12 months)	1.5X more falls in controls
Walking distance	25% further (6 Minute Walk Test)
Balance confidence	6-10 points (Activities-specific Balance Confidence)
Cardiovascular fitness	10% oxygen consumption (VO <sub>2</sub> max)
Muscle strength	20-25% stronger
Hip bone density	Maintenance vs 3% bone loss in controls
Quality of life	Both groups improve











### **The Program Goals**

- Increase physical activity
- Address impairments
- Minimise secondary complications
- Improve fitness and mobility

#### The Program is for who?

Any time after stroke Able to stand (5 minutes) Able to walk (10 minutes) Follow instructions Medically stable Independent in transfer and washroom (or have caregiver assist)

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# The PRINCE FAME Program Progression Repetition

- Intensity (and monitoring)
- Normal movement patterns
- Core components (FAB) functional strengthening, Agility and fitness, Balance
- Encouragement (and education)



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#### **FAME Certification**

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- 8 hour workshop (theoretical and practical)
- Practice spotting
- Small group practice with participants with stroke
- Screening system in place
- Referral base
- Clinical advisor