REHAB DRIVING SIMULATOR

SIMULASIA-SA-3500-R

REBUILD SKILLS. RESTORE CONFIDENCE.

Support the journey towards driving independence.

A therapist-guided platform for functional driving assessment and rehabilitation, enabling patients to practise in a controlled simulated environment without exposure to real-road hazards.

PURPOSE

Support people with disabilities and recovering patients whose psychomotor, cognitive, perceptual or physical impairments may affect driving ability.

Relevant rehabilitation contexts include stroke, spinal injury, traumatic head injury, neurological conditions, visual difficulties, physical disabilities and amputation, including diabetes-related amputation.

ADAPT

Hand or foot controls

PRACTISE

Structured driving exercises

REVIEW

Therapist-led feedback

ADAPTIVE PRACTICE. MEANINGFUL OBSERVATION.

DESIGNED AROUND PATIENT NEEDS

- Switchable hand or foot acceleration and braking controls
- Steering knob, signal assistance, alternative left accelerator and pedal extensions
- Force feedback steering with adjustable resistance
- Three 32-inch screens with a 135° panoramic driving view

THERAPIST CONTROL & REVIEW

- Patient registration, exercise selection and live monitoring
- Record and replay sessions alongside driving-input graphs
- Review steering, braking, acceleration, speed and reaction performance
- Save and print results to guide feedback and follow-up sessions

23 SCENARIOS. PROGRESSIVE PRACTICE.

Vehicle familiarisation and basic control • Road and traffic exercises
Cognitive reaction and roundabout tasks • Defensive driving and hazards
Day, night and rain conditions in Malaysian driving environments

OBSERVE THE SKILLS THAT MATTER

Cognitive and perceptual skills • Physical control • Hazard recognition
Decision making • Reaction skills • Driving behaviour

Rehabilitation installations: Hospital Rehabilitasi Cheras (2012), IIUM Teaching Hospital, Kuantan (2015), Hospital Pengajar UPM (2021), Hospital Sultan Zainal Abidin (HoSZA) (2025) and Pusat Rehabilitasi PERKESO, Ipoh (2026).

For supervised rehabilitation and assessment. Patient suitability and fitness-to-drive decisions require appropriate clinical assessment; simulator results are one part of that process.

BOOK A DEMONSTRATION www.jayonik.com | +6012 216 7446