

CORRIGENDUM: Corrected Table & Reference

Smartphone App in Stroke Management: A Narrative Updated Review

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In the article, there is a mistake in the references in Table 1. On pages 326 and 327, the references 22, 25, 29-35, 39-44, 46, 50-56, 58-61, 67-72, and 74-80 from Table 1 were misplaced in the previous version of the Review, and the correct table is as follows;

Table 2. Summary of included Apps

App name/ authors	App store availability	Study type	Field of application	App modality	Main findings	Summary
Stroke Riskometer ^{22,25}	iOS, Android	Ongoing trial (NCT04529681)	Primary prevention	Calculator, Video, NA Health info	NA	Calculates annual stroke risk through weight, age, diet and other risk factors data. Gives information on managing risk factors through videos and articles.
iLAMA ²⁹	Not available	NA	Pre-hospital management	Augmented reality	NA	Through the smartphone's camera and the accelerometer allows the recognition of signs such as altered eye motility, dysmetria, facial paresis and strength deficit in the upper limbs
SPMIS ³⁰	Not available	Pilot study	Pre-hospital management	Data sharing	App usability	Patient details are entered into the App by emergency responders. The App transmits the data to hospital physicians
FAST-ED ³¹⁻³³	iOS, Android	Pilot study	Pre-hospital management	GPS, CDSS	NA	Provides a series of questions to assess eligibility for revascularization therapy and it contains a GPS to find the nearest hospital.
ESN ³⁴	iOS, Android	Pilot study	Pre-hospital management	GPS, CDSS, Video-call	Reduction in door-in, door-out, door-to-groin and door-to- needle times	Provides a series of questions to assess eligibility for revascularization therapy, it contains a video communication system to connect medical teams, and a GPS to find the nearest hospital.
Stroke119 ³⁵	iOS, Android	Pilot study	Pre-hospital management	CDSS, Information, GPS	NA	It helps patients in self-screening stroke symptoms through clinical scales. It gives health information and has a GPS system to find hospital centers that perform thrombolysis.
JOIN ³⁹⁻⁴²	iOS, Android	Validation study	In-hospital management	DICOM viewer, Video-call, Chat	Reduction in door-to-needle time	Allows sharing of images and clinical data between teams of specialists with chat and video-call systems. Records patient data chronologically in a timeline to simplify clinical management.
StopStroke ⁴³	NA	Retrospective study	In-hospital management	Chat, Video-call	Reduction in door-to-needle time	Allows to create group chats with other specialists to share patient images and clinical information. It also supports video calls.
Act-Fast ⁴⁴	iOS, Android	Pilot study	In-hospital management	CDSS, Chat		Contains several clinical scales and checklists for revascularization therapy. Also presents sharing and messaging features among physicians.
Acute Stroke Evaluation ⁴⁶	iOS	Pilot study	In-hospital management	CDSS	Reduction in door-to-needle time	Digitized version of the checklist for revascularization therapies based on the U.S. stroke guidelines.
S3 Rehab ⁵⁰	NA	NA	Rehabilitation	Sensors	NA	Records data about the movement of the limbs through smartphone's gyroscope and accelerometer.
GetMyROM ⁵¹	iOS	Pilot study	Rehabilitation	Sensors	App can reliably measure passive upper limb range of motion	Records data on the range of movements of the upper limbs
ARMStroke ⁵²	iOS	Pilot study	Rehabilitation	Sensors	No changes detected when using the App	Records data on the range of movements of the upper limbs
Chae et al. ⁵³	Android	Clinical trial (KCT0004818)	Rehabilitation	Sensors, wearable devices	Wearables and machine learning can improve home care of stroke survivors	Records upper extremity range of motion data via smartwatch
Hou et al. ⁵⁴	Android	Pilot study	Rehabilitation	Sensors	Feasibility of App-based measurement of balance in stroke patients	Records balance and posture data
SIPT ⁵⁵	iOS	Clinical trial	Rehabilitation	Virtual reality, exergames	Sitting balance, trunk control, gait improvement	Uses smartphone's motion-tracking technology to simulate pedalling.

Table 2. Continued

App name/ authors	App store availability	Study type	Field of application	App modality	Main findings	Summary
MoU-Rehab ⁵⁶	Tablet PC	Clinical trial	Rehabilitation	Virtual reality, exergames	Non-inferiority to conventional therapy	Allows to play different exergames using smartphone motion-tracking technology
ViaTherapy ⁵⁸	iOS, Android	Quality improvement project	Rehabilitation	CDSS	Increased accessibility to and use of evidence based practice	Collects data entered by patients to assist them in establishing a rehabilitation program
Rehabilitation Guardian ⁵⁹	NA	NA	Rehabilitation	Calendars, Health info	NA	Gives reminders about physical exercises to be performed, allows the consultation of specialized articles and contains a progress diary.
Li et al. ⁶⁰	iOS, Android	Clinical trial (ChiCTR1900027626)	Rehabilitation	Telemedicine	Feasibility and validity of App-based televisits	Allows practitioners to make televisits.
VirTele ⁶¹	NA	NA	Rehabilitation	Telemedicine, ExerGames	NA	Allows practitioners to evaluate the development of interactive rehabilitative exercises with the exergames via televisit
PRESTRO ⁶⁷	Android	Pilot study	Rehabilitation	Health info, Reminder	App usage was associated with healthier lifestyle	Contains medication reminder features and vital signs measurement. It gives health lifestyle info
KUHMS ⁶⁸	Not available	Clinical trial (KCT0001045)	Rehabilitation	Parameter registration	Lowering of blood pressure and glycated hemoglobin	Records vital parameters
Lose it ^{69,70}	iOS, Android	Clinical trial (NCT02531074)	Chronic management	Diet management	No difference between intervention and control group	Records patients' food intake and gives information about the macronutrients.
MakeMyDay ⁷¹	Not available	Multiple case study	Chronic management	Health info, Reminder	High acceptability of the App among patients	Gives reminders and info about correct and healthy lifestyle
Movies4Stroke ⁷²	NA	Clinical trial (NCT02202330)	Chronic management	Health videos	No lowering of blood pressure, LDL cholesterol and glycosylated hemoglobin. Improved functional outcome	Provides educational videos on stroke
AFib 2gether ^{73,80}	iOS, Android	Clinical trial (NCT04118270)	Chronic management	CDSS	High usability and perceived usefulness of the App	It gives clinical info and collects patient data about AF that can be viewed by the doctor prior to visit.
FibriCheck ⁷⁴	iOS, Android	Clinical trial (NCT03509493)	AF detection	Wearable devices	High measurement compliance and patient satisfaction	Provides heart rate monitoring via smartwatch
Santala et al. ⁷⁵	NA	Clinical trial (NCT03507335)	AF detection	Wearable devices	High quality ECG recording, High accuracy of automatic arrhythmia detection	Provides heart rhythm monitoring via an ECG belt
AliveCor ⁷⁶	iOS, Android	Observational study (ACTRN 12616001293459)	AF detection	Wearable devices	NA	Uses miniaturized ECG to monitor heart rhythm
TEASE ^{77,78}	NA	Clinical trial (NCT03301662)	AF detection	Wearable devices	AF successfully detected in patients with cryptogenic stroke	Uses miniaturized ECG to be placed in the chest to monitor heart rhythm

NA, not available; GPS, Global Positioning System; CDSS, clinical decision support system; LDL, low-density lipoprotein; AF, atrial fibrillation; ECG, electrocardiogram.

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On page 328, there is a misplaced reference in the previous version of the article (56 instead of 55). The correct reference is as follows:

"Speed interactive pedalling training (SIPT), for example, using smartphone-based motion-tracking technology has been shown to improve strength, balance, and gait in stroke patients."⁵⁵

55. Cai H, Lin T, Chen L, Weng H, Zhu R, Chen Y, et al. Evaluating the effect of immersive virtual reality technology on gait rehabilitation in stroke patients: a study protocol for a randomized controlled trial. *Trials* 2021;22:91.

We apologize for any inconvenience that this may have caused.