LIMITING SECONDARY COMPLICATIONS OF STROKE IN THE LATE ACUTE TO CHRONIC PHASE		
Complication	Intervention	Implication
Neurologic recurrent stroke, hemorrhage, seizure	Monitoring and managing comorbidities, risk factors: HTN, DLD, DM, substance use	Identify and recognize neurologic changes early, medically reduce/opti- mize contributing factors for preven- tion of future neurologic injury
Thrombolic/embolic events, deep venous thrombosis, pulmonary embolism	Screening dopplers Medical prophylaxis with subcutaneous heparin, lovenox Mobility promotion with SCDs, OOB at least TID	Prevent DVTs/PEs for decreased morbidity, mortality
Dysphagia, malnutrition	Speech/swallow therapy and retraining Nutrition assessment Dietary counseling Feeding tube management	Minimize risk of aspiration (pneumo- nia, pneumonitis) Optimize nutritional status Improve quality of life
Spasticity	Elevate affected extremities Encourage passive ranging, stretching, strengthening Brace/splint to prevent contracture: e.g. resting hand splints, PRAFOs with kickstands Pharmacology: baclofen (oral or intrathecal), benzodiazepines, dantrolene, clonidine, botulinum toxin	Maximize active range, functional- ity, independence; maintain passive range for assisted ADLs, hygiene; pre- vent pain; prevent contracture
Shoulder/hip derangement or dislocation, subluxation, impingement	Elevate affected extremities Encourage passive ranging, stretching, strengthening Clinically assess, examine, image, diagnose Pharmacology: oral or injected analgesics, anti-inflammatories	Maximize active range, functional- ity, independence; maintain passive range for assisted ADLs, hygiene; prevent pain
Osteoporosis	Nutritional assessment, counseling Physiotherapy with education Pharmacology: nutritional supplements	Reduce the risk of nutritional deficiencies, falls, fractures
Skin breakdown	Turn every 2 hours Cushion pressure dependent areas Reassess and stage wounds regularly Wound care and cleaning daily Nutrition assessment, counseling Pharmacology: barrier topicals, antibiotics/antifungals	Prevent skin breakdown and ulcer- ation Minimize risk of infection or injury, prevent pain
Neurogenic bladder/bowel	Timed voids every 2-4hours Post void residuals ISC volumes > 150 mLs Bladder scan for retention > 6 hours ISC volumes > 350 mLs Education, nutrition, behavioral counseling/training Pharmacology: anticholinergics, alpha blockers, mirabegron, botox	Maximize independence of bowel/ bladder programs for both continent and incontinent patients Prevent skin breakdown, infection and injury (UTI, AKI) Prevent constipation, ileus; Improve education of patient and caregivers
Pain CRPS, central, neuropathic	Physiotherapy: desensitization (tactile massage, garments), ranging, strengthening, neurologic retraining Pharmacology: e.g. antiepileptics, SSRIs, SNRIs, TCAs, topicals	Prevent pain, promote functionality and independence Minimize emotional distress
Mental health	Psychologic assessment and counseling Pharmacology: SSRIs, SNRIs, TCAs, anxiolytics	Minimize risk of depression, anxiety, adjustment disorders associated with stroke and functional decline
Abbreviations: ADI activity of daily living: DLD dyslipidemia DM diabetes mellitus: DVT deep venous thrombosis: HTN byperten-		

Abbreviations: ADL, activity of daily living: DLD, dyslipidemia, DM, diabetes mellitus; DVT, deep venous thrombosis; HTN, hypertension; PE, pulmonary embolism; SCD, sequential compression device; PRAFO, pressure relief ankle foot orthosis; SSRI, selective serotonin reuptake inhibitor; SNRI, selective norepinephrine reuptake inhibito; TCA, tricyclic antidepressant.