

GERIATRICS	
S. No.	Topics
Observational study design (Descriptive)	
1.	Study of Frailty – What is the prevalence, risk factors, biomarkers, prevention, clinical consequences (short term and long term) and therapeutic interventions?
2.	What is the frequency of cognitive impairment in geriatric outpatient setting?
3.	What is the prevalence and factors associated with urinary incontinence among hospitalised elderly patients?
4.	What is the prevalence of uncontrolled hypertension and diabetes in community setting among elderly patients?
5.	What is the prevalence of undiagnosed hypertension and diabetes in community setting among elderly patients?
6.	What is the prevalence of vaccine preventable diseases in elderly & their implications on their morbidity and mortality? e.g. herpes vaccine.
7.	What are the common microbial causes of nosocomial bacterial infections in elderly inpatients/ prevalence of antimicrobial resistance in these organisms?
8.	What is the frequency of various types of arthritis in older patients using established clinical diagnostic guidelines along with their impact on functional capacity is worth investigating?
Observational study design (analytical)	
9.	What is cost-of-treatment analysis for elderly in-patients, outpatients, and issues affecting care seeking (such as transport, hospitals, and other factors)?
10.	What is the role of point-of-care brain-type natriuretic peptide as a tool for guiding intravenous fluid support and other treatment in elderly patients?
11.	What are the determinants of cognitive functions in elderly outpatients not presenting with complaints of forgetfulness?
12.	What is the role of physiotherapy interventions in rehabilitation of chronically incapacitated elderly patients?
13.	Explore the underlying mechanisms, risk factors, and potential therapeutic targets for age-related diseases: such as Alzheimer's disease.
14.	Explore the underlying mechanisms, risk factors and potential therapeutic targets for cardiovascular disease.

15.	Explore the underlying mechanisms, risk factors and potential therapeutic targets for cancer.
16.	Explore the underlying mechanisms, risk factors and potential therapeutic targets for diabetes.
17.	Explore the underlying mechanisms, risk factors and potential therapeutic targets for osteoporosis.
18.	Investigate the fundamental ageing processes at the molecular, cellular, and systemic levels.
19.	Explore the mechanisms contributing to age-related decline and diseases, such as cellular senescence, DNA damage, and mitochondrial dysfunction.
20.	Clinical profile and outcome of "acute coronary syndromes" In 75+ years population.
21.	Profiling of geriatric syndromes (delirium, incontinence, immobility, falls etc; and some new entities in this group) in acute geriatric setting. The entity of Geriatric Syndrome in geriatric practice remains unclear in India as physicians do not understand its genesis and implications.
22.	Profiling of cancer in ageing population in Geriatric Wards.
23.	Describe the clinical profile and consequences of arthritis in older patients.
24.	What are the medical, physical, nutritional and care giving needs of bedbound elderly persons in an urban/rural area in India?
25.	What are the medical, physical, nutritional and care giving needs of bedbound elderly persons in an urban/rural area in India?
26.	What are the medical, physical, nutritional and care giving needs of bedbound elderly persons in old-age homes?
27.	What is the effect of daily exposure to sunlight for 15/30/45/60 minutes for 30 days on Vitamin D levels among community dwelling elderly persons?
28.	What is the profile of behavioural symptoms in dementia?
29.	What are the caregiver issues in management of dementia?
30.	Profiling of Geriatric patients attending a general hospital Outpatient Department.
31.	Quality of life in Geriatric patients attending a general hospital Outpatient Department.
32.	Describe the phenomenology (profiling of symptoms) of late-life depression and how it is different from depression in other age groups.
33.	What is the clinical presentation of late onset psychoses (profiling of symptoms) in the elderly and how it is different from depression in other age groups?

34.	What are the various co-morbidities of depression with physical illnesses?
35.	What are the various sleep problems in the elderly?
36.	What are the various psychiatric symptoms in elders with stroke?
37.	What are the psychiatric symptoms in elders with Parkinson's disease? Both in acute and chronic Parkinson's disease phases.
38.	What is the role of proportional nutritional vs. malnutrition as a predictor of clinical course in elderly patients with decompensated heart failure?
39.	What is the antibiotic resistance pattern and their impact on morbidity and mortality of elderly patients admitted in tertiary care hospital?
40.	Study of awareness about Health care policies of Government for the elderly among Health Care Worker and elderly people.
41.	What is the utilization of hospital resources by elderly population?
Experimental design	
42.	What is the effect of supplementation with 2,000 IU daily or 60,000 IU monthly of vitamin D compared with no supplementation on musculo-skeletal pain among community dwelling elderly persons?
Qualitative design	
43.	Study the intrinsic capacity of older people and identify strategies to promote healthy cognitive ageing, enhance brain health, and improve physical function to maintain independence and quality of life in older adults.
44.	Explore the role of technology in promoting healthy ageing, including the development of assistive technologies, remote monitoring systems, telemedicine, and digital health interventions.
45.	Investigate the barriers and facilitators of technology adoption among older adults and design user-friendly, age-appropriate solutions.
46.	Examine the impact of lifestyle interventions on healthy ageing.
47.	What is the caregiver burden among caregivers of hospitalised elderly patients?
48.	What are the various healthcare barriers /facilitators in usage of services by elderly population?
49.	What type of social support available to combat loneliness in elders in the community?
50.	What type of social support available to combat loneliness in home away condition/displaced elders?
51.	Identify optimal strategies for promoting healthy behaviours and preventive measures.

52.	Investigate the factors contributing to healthy ageing and longevity, including genetics, lifestyle choices, environmental factors, and socioeconomic determinants.
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