

Name: Anupama Gangavati , MD

Board Certification: Internal Medicine: Initial 2006; Recertification: 2016
Geriatric Medicine: Initial 2007; Recertification: 2017

Licensure: Full Medical License Texas R9063
Full Medical License: Massachusetts 228866

Education:

Year	Degree	Field of Study	Institution
01/98-09/98	Medical Internship	Medicine	B.J. Medical College Pune, India
09/97-12/97	Medical Internship	Medicine	Adichuchunagiri Institute of Medical Sciences, Bellur, India
07/92-07/97	MBBS Degree Awarded 02/99	Medicine	Adichuchunagiri Institute of Medical Sciences, Bellur, India

Postdoctoral Training:

Year	Title	Specialty/Discipline	Institution
2013	Harvard MACY	Medical Education	Harvard MACY course Harvard Medical School.
07/06-07/08	Fellow	Geriatric Medicine	Harvard Geriatrics BIDMC Boston, MA
07/05-06/06	Chief Medical Resident	Internal Medicine	NEOUCOM Affiliated Hospitals Canton, Ohio
07/03-06/06	Resident	Internal Medicine	NEOUCOM Affiliated Hospitals Canton, Ohio
08/01-03/03	Volunteer Research Assistant	Nephrology	Northwestern University Chicago, Illinois

09/01-03/02	Volunteer Research Assistant	Preventive Medicine	Northwestern University Chicago, Illinois
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Faculty Academic appointments:

Year(s)	Academic Title	Department	Academic Institution
2008- 2013	Instructor in Medicine	Medicine/Gerontology	Beth Israel Deaconess Medical Center Harvard Medical School Boston, MA

Appointments at Hospitals/Affiliated Institutions:

Year(s)	Position Title	Department/Division	Institution
2006-2007	Clinical Fellow	Medicine/Gerontology	Harvard Medical School
2007-2008	Research Fellow	Medicine/Gerontology	Harvard Medical School
2008- 2013	Attending Physician	Medicine/Gerontology	Beth Israel Deaconess Medical Center Harvard Medical School Boston, MA
2014- 03/31/2018	Senior Consultant Geriatrician	Geriatric Medicine	Apollo Hospital Bangalore, India
3/1/2019 to current	Attending Physician	Geriatric Medicine	UT Southwestern Medical Center Dallas, TX

Major Administrative Leadership Responsibilities:

Year	Title	Institution
2015-3/31/2018	Co-founder	Medcync (IIM- Bangalore) (Startup in patient Education)
2015	Indian Ageing Congress	Research Co-ordinator
2014	Advisory Board Member	Healthy Ageing in changing World
07/09-07/13	Geriatric Anticoagulation Director	Beth Israel Deaconess Medical Center Harvard Medical School

7/07-06/08

PD2 Course Co-Director

Hebrew SeniorLife
Harvard Medical School
Boston, MA

Year

Title

Institution

7/07-06/08

HRSA fellow

Geriatric Medicine
Beth Israel Deaconess
Medical center
Harvard Medical School
Boston, MA

7/05-06/06

Chief Resident

Internal Medicine
Neoucom affiliated
hospitals
Canton, Ohio

Committee Service:

Year	Name of Committee	Role	Institution/Organization
2017-2018	Apollo Hospitals Ethics/Transplant Committee Bangalore.	Member	Apollo Hospitals, Bangalore, India
2016-2018	Apollo Hospitals Safety and Risk committee, Bangalore.	Member	Apollo Hospitals, Bangalore, India
2016-2018	Apollo Bangalore Consultants Forum	Executive member	Apollo Hospitals, Bangalore, India
2013-2017	AGS International activities interest group	Member	Apollo Hospitals, Bangalore, India
2012	GACA Ad Hoc committee on performance report improvement	Member	BIDMC, Harvard Boston, MA
09/10-7/13	BIDMC Medical Academy	Member	BIDMC, Harvard Boston, MA
07/08-7/13	Anticoagulation sub-committee	Member	BIDMC, Harvard Boston, MA
10/07-06/09	Reynolds foundation	Geriatric education for Emergency medicine	BIDMC, Harvard Boston, MA
07/07-06/08	Hartford foundation	Research fellow	BIDMC, Harvard Boston, MA
11/03-11/04	Performance Improvement	Elected member	Aultman Hospital Canton, Ohio

Professional Societies:

Year	Society	Role
2013-Present	Indian Geriatrics Society	Member
11/12	GACA Ad hoc committee on performance Report improvement	Member
11/12- present	International activities special interest group American Geriatrics Society (AGS)	Member
11/06-11/07 and 2014-2015	Gerontological Society of America	Member
12/06-present	American Geriatrics Society (AGS)	Member
03/06- 06/07	American Medical Directors Association (AMDA)	Member
12/04-12/07	American Medical Association (AMA)	Member
07/03-07/06	American College of Physicians (ACP)	Associate Member
07/03-07/06	Ohio State Medical Association (OSMA)	Member

Other Editorial Activities:

Year(s)	Role	Name
07/09	Reviewer	Lancet (Journal)
11/2014	Co-Chairman of scientific session	Healthy Ageing in Changing world
3/2015	Reviewer	Gerontological Society of America
11/2015	Research Track Organization Committee	ICGGM 2015
2016	Reviewer	Clinical Medicine- Royal College of physicians
2016	Reviewer	IIMB Management Review

Awards and Honors:

Year	Name of Award
09/10-07/13	Geriatric Academic Career Award (Grant: K01HP20504)
07/08-06/09	Hartford Geriatric Fellowship Award
07/07-06/08	Harvard/Hartford Foundation Research Fellowship Award
06/04	Williams L. Hoppes, MD, Outstanding First-Year Resident Award NEOUCOM affiliated Hospitals, Canton, Ohio
05/04	Annual Research Day Poster Presentation NEOUCOM, Ohio
03/04	Medical Mysteries NEOUCOM affiliated Hospitals, Canton, Ohio
02/04, 02/05, 02/06	Canton Medical Education Foundation Scholarship NEOUCOM affiliated Hospitals, Canton, Ohio
06/05, 06/06	Excellence in teaching award NEOUCOM, Ohio
04/06	Clinical Vignette Abstract-Oral presentation ACP-National
05/06	Clinical Vignette Abstract-Oral presentation Annual Research Day NEOUCOM, Ohio

Report of Funded Projects:

Years funded	Role on project	Funding source	PI
2007-2008	Research Fellow	Hartford Foundation	Lewis Lipsitz, MD
Description of Project: Study of intracranial hemorrhage in elderly fallers presenting to the emergency department without focal findings. Lead the study and contributed to data gathering, data interpretation and preparation of manuscript. Article was published in the Journal of American Geriatrics Society.			
2008-2009	Principal Investigator	Hartford Foundation	Anupama Gangavati, MD

Description of Project: Study of orthostatic hypotension, uncontrolled hypertension and recurrent falls in community dwelling elderly population. Lead the study and contributed to data gathering, data interpretation and preparation of manuscript. Article was published in the Journal of American Geriatrics Society.

2010-2013 Principal Investigator Geriatric Academic Career Award
Anupama Gangavati, MD

Description of Project: Develop and assess a multi and interdisciplinary anticoagulation management curriculum. The overall goal of the project during the Geriatric Academic Career Award is geriatric education and safe management of anticoagulation in the elderly patients. Year one of the award was devoted to development and pilot implementation of curriculum for the geriatric fellows. Year two of the award was devoted to development and implementation of the curriculum for house-staff. Year two of the award also focused on developing curriculum addressing cultural the influence of cultural beliefs and practices on anticoagulation management in diverse elders. Year three of the award was devoted to development and implementation of the curriculum for nurses. Another goal of the GACA award was to help provide the essential support to protect the time necessary to develop a successful academic career in geriatric medicine, as both a teacher and a leader. Along with education regarding warfarin management, learners are learning regarding the new anticoagulation medicines. The curriculum is being dispensed to the learners via spaced education and Q stream (part of spaced education) tool. Dr. Gangavati also led transition of the outpatient anticoagulation management of geriatric patients from the clinic to the Beth Israel Deaconess Centralized Anticoagulation Clinic. This transition was being planned for the past 5 years for the overall goal of patient safety and Dr. Gangavati was successful in making this transition. This pilot was successful in transitioning 100 geriatric patients to central anticoagulation clinic which is primarily management by anticoagulation nurses and pharmacists.

Community Service Related to Professional Work:

“Staying healthy and active: Women’s health issues after 55& how to prevent them”

Senior Citizens

02/2017

Silver Talkies

Online magazine for Senior citizens

“Social engagement in seniors and retirement homes”

Senior Citizens

09/2016

Silver Talkies

Online magazine for Senior citizens

World Alzheimer’s day

2016

Senior Citizens

“What is dementia and how to boost your memory?”

Apollo Hospitals, Bangalore, India

“Elders Day”

Senior Citizens
 2016
 “Dementia in elderly”
 Bangalore, India

“Celebrating Age” India 2015
 Senior Citizens
 06/15“Fitness in elderly”
 Bangalore, India

World Elders Day
 2015
 Senior Citizens
 “Prevention in Elders”
 Bangalore, India

Brookline Early Education program
 Preschool children
 03/13
 “What happens in a doctor’s office?”
 Brookline, MA, USA

American Indian Reservation (Rosebud Sioux tribe)
 Elder Clinics
 11/07
 Rosebud, SD, USA

Community Lecture for Delinquent Teenagers
 Adolescent female Physical changes
 03/06
 Canton, Ohio, USA

Report of Local Teaching and training:
Teaching of Students in Courses:

Year(s)	Course Title	Type of Student	Role	Level of Effort	Description
07/05-06/06	OSCE	NEUCOM Medical Student, NEUCOM Affiliated hospitals, Canton, Ohio	Preceptor/ Chief resident	10-15 students	Organized/Assisted/Precepted with NEUCOM medical-student teaching. Precepted at the medical student
07/07-06/08	PD2 Hebrew Senior Life, Harvard Medical School	Harvard Medical Students	PD2 Course Co-Director (Hebrew SeniorLife)	160 hours/year	Organized and taught History and Physical examination skills 2 for second year Harvard Medical students at Hebrew Senior Life.
01/08-	PD2 Central	Harvard	PD2 Course	36	Organized and taught

02/08	Geriatric Sessions, BIDMC	Medical Students	Co-Director	hours/year	Geriatric Medicine as a part of central sessions for Harvard Medical Students at BIDMC and Hebrew Senior Life.
06/08-07/09	Geriatric Session, BIDMC	Third Year Harvard Medical Students	Preceptor	8 hours/year	Precepted Third year Harvard Medical Students on Delirium and Gait Assessment.
07/08-07/13	Geriatric outpatient Clinic, BIDMC	Second year Harvard Medical Students	Preceptor	8 hours/year	Precepted second year Harvard Medical Students
01/09-07/13	PD2 Central Geri Session	Second year Harvard Medical Students	Preceptor	8 hours/year	Precepted second year Harvard Medical Students
06/09 - 07/13	National Youth Leadership Forum on Medicine	High School students	Preceptor	2 hours/year	Advised and offered a high school student a glimpse of what a medical career entails.
06/09 - 07/13	Geriatric outpatient Clinic	Fourth Year Harvard Medical Students	Preceptor	3 hours/year	Precepted and guided fourth year Harvard Medical Student in outpatient geriatric setting
06/09 - 07/13	Geriatric outpatient Clinic	Third Year Harvard Medical Students	Preceptor	6 hours/year	Precepted and guided third year Harvard Medical Student in outpatient geriatric setting
06/09 - 07/13	OSCE	Fourth year Harvard Medical Students	Preceptor	4.5 hours/yr	Precepted 4 th year medical students at the geriatric station of OSCE at Harvard Medical School
04/10 - 07/13	Geriatric outpatient Clinic	Third Year Harvard Medical Students	Preceptor	16 hours/year	Precepted and guided third year Harvard Medical Student for a longitudinal 1-month experience in outpatient geriatric setting
08/2010 -07/13	Introduction to profession course	First year Harvard Medical Students	Preceptor	3 hours	Introduction to profession at the BIDMC Gerontology Clinic for the first year Harvard Medical students
09/2010 -07/13	PD2 BIDMC	Harvard Medical Students	Preceptor and Evaluator	15 hours/year	Precepted History and Physical examination skills 2 for second year Harvard Medical students at BIDMC
09/2010 -07/13	Bench to Bedside Elective	Fourth year medical	Preceptor	6 hours/year	Precepted bedside clinical skills for fourth year medical

		student			student at BIDMC Outpatient Gerontology Clinic.
09/2011-2013	Q stream (online education) Anticoagulation in Elderly	Fellows Residents and Nurses	Medical Educator	10 hours/week	Anticoagulation education online tool

Formal Teaching of Residents, Clinical Fellows, Nurses and Research Fellows (post-docs)

Year(s)	Course Title	Type of Student	Role	Level of Effort	Description
07/05-06/06	OSCE	Internal Medicine Residents, NEOUCOM Affiliated hospitals, Canton, Ohio	Preceptor/Chief resident	10 students	Preceptor
07/07-06/08	HRSA	Harvard Geriatric Fellows	HRSA fellow	36 hours/year	Organized and participated in an interdisciplinary conference for Geriatric medicine, Geriatric psychiatry and Geriatric Dental fellows.
07/07-06/08	Reynolds Foundation (BIDMC)	Emergency Medical Residents, BIDMC	Staff Physician	5 hours/year	Collaborated with Emergency Medicine faculty and taught Geriatric medicine to Emergency Medicine Residents.
02/08	Geriatric Fellow OSCE (BIDMC)	Harvard Geriatric Fellows	Preceptor	6 hours/year	Precepted Harvard Geriatric fellows OSCE which is done in collaboration with the Boston University Geriatric fellows
07/08-07/13	Geriatric outpatient Clinic (BIDMC)	Harvard Geriatric fellows and BIDMC and	Preceptor	66 hours/year	Precepted Internal Medicine Residents and Geriatric Fellows

		CHA internal Medicine Residents			
12/2010- 07/13	Geriatric outpatient Clinic (BIDMC)	Harvard Geriatric fellows and BIDMC internal Medicine Residents	Lecture	1hour/year	Lecture on anticoagulation in the elderly
2014-2015	Geriatric training of nurses	Apollo Hospital, Jayanagar, Bangalore	Lectures with pre and post tests	1hour/week	Geriatric Curriculum for nurses
05/2016	Apollo Hospitals, Bangalore	DNB Medicine Students	Preceptor	1 hour	Delirium in elderly
03/2016	Kempegowda Institute of Medical sciences	Medical Students	Guide	1 hour	Career Counseling for medical students: Journey from MBBS to consultant

Clinical Supervisory and Training Responsibilities:

Year(s)	Type of responsibility	Level of effort
2008-07/13 (8-12 weeks/yr)	Attending Geriatrician, BIDMC	7 fellows/year
2008-2013	Preceptor, BIDMC Outpatient geriatric clinic	2 Geriatric Fellows/year 1 Internal Medicine Resident/year
2014-2018	Senior Geriatric Consultant Apollo Hospitals, Bangalore	2 Internal Medicine Residents/year

Formal Teaching of Peers:

1. "Diagnosis and Management of ARDS" (2003 Morning report, NEOUCOM Affiliated hospitals)
2. "Diagnosis and Clinical Features of PAN" (2003 Morning report, NEOUCOM Affiliated hospitals)
3. "Diagnosis and Management of Acute Renal Failure" (2006 Morning report, NEOUCOM Affiliated hospitals)

4. "Sickle cell Anemia" (2006 Morning report, NEOUCOM Affiliated hospitals)
5. "Geriatrics board review" (2006 Morning report, NEOUCOM Affiliated hospitals)
6. "Orthostatic Hypotension" (2006 Internal medicine conference, Geriatric Medicine fellow, BIDMC)
7. "ICH in elderly fallers and yield of Head CT scans" (2006 Seminars in Aging, Geriatric Medicine fellow, BIDMC)
- 8." Dialysis in elderly" (2007 Seminars in Aging, Geriatric Medicine fellow, BIDMC)
- 9." Physiology of aging Nervous system (2007 Geriatric Medicine Fellow, BIDMC)
- 10." Journal Club-Case control Studies" (2007 Geriatric Medicine Fellow, BIDMC)
11. "Decision Analysis-Journal Club" (Harvard Medical Fellowship Journal club)
12. "Intracranial Hemorrhage in elderly faller-Does anticoagulation play a role?" (2008 AARTS research day presentation, BIDMC Research Day Oral Presentation)
13. "Uncontrolled Hypertension, orthostatic hypotension and recurrent falls in the community-dwelling elderly population: the MOBILIZE Boston study (MBS)", AARTS research day presentation (2009)
14. "Anticoagulation in Elderly." (2010-2013)
15. Q stream (online education tool): "Anticoagulation in Elderly" (2011-current)
16. "Myxedema Crisis in Elderly- Case discussion": Apollo hospital Geriatrics CME (03/2014)
17. "Dementia in Elderly"- Talk to General Physicians (2015)

Regional and National Invited Presentations and Courses:

1. "Adolescent female Physical changes"-2006 Community Lecture for Delinquent Teenagers
Canton, Ohio
2. "Pain management in elderly (2007 CME conference, Rosebud Indian Reservation Hospital,
Rosebud, South Dakota)
3. "Functional assessment and Screening in the elderly" (2007 Invited speaker, Medical Grand
rounds, NEOUCOM, Canton, Ohio)
4. "Anticoagulation in Elderly" CME conference (07/2010 Invited Speaker, St Anna-Jacques'
Hospital, Newburyport, MA)
5. "Diabetes in Elderly" Real CME (12/2010 and 01/2011 Invited Consultant)
6. "Diagnosis and Management of Early Dementia". CME conference (9/21/11 Invited speaker,
Bowdoin Street Clinic, Boston, MA)

7. "Anticoagulation in Elderly"- Talk to Geriatric Fellows (9/2011-current)
8. "Use of newer anticoagulants in Elderly"- Talk to Geriatric faculty (2012)
9. "Delirium in Elderly"- Talk to Geriatric Fellows (9/2011-current)
10. "Antipsychotics in Elderly"- Talk to Geriatric Fellows (9/2011-current)
11. "Pre and Perioperative management in Elderly"-Talk to Geriatric Fellows (9/2011-current)
12. "Cultural Differences and cognitive testing in the elderly"- Talk to Geriatric Fellows (9/2012)
13. "Polypharmacy"- Talk to Geriatric Fellows (9/2012)
14. "Challenges of anticoagulation management in the Elderly patients"-Harvard Continuing Medical Education (CME) in Geriatrics 2013 (05/2013)
15. "Sepsis in Elderly in India"- Indian Academy of Geriatrics Conference, GERICON, Chennai, November 2013.
16. "Geriatric Syndromes"- Internal Medicine CME at ESI hospital, Bangalore, June 2014
17. "Delirium in Indian Elderly"- Healthy Ageing in the Changing world-3rd world congress on Geriatrics and Gerontology-2014
- 18." Fitness in Elderly"- Celebrating Age- 2015 Conference, Bangalore, India, -June 2015
19. "Pre-operative issues in geriatric patients- A Geriatrician's perspective".
Geriatric Anaesthesia Conference- August 2016
Healthy Ageing in Changing world 2016 Geriatric Conference- November 2016
20. "Dementia in Elderly"
Apollo Neuro Update 2016- December 2016

Current Licensure and Certification

Year	Type of License or Certification
10/01	ECFMG Permanent Certification
09/01	Clinical Skills Assessment (CSA)
07/04	Fundamentals of Critical Care Support (Sponsored by Society of Critical Care Medicine)
7/06	Medical License (Massachusetts)
08/06	American Board of Internal Medicine

08/07	Clinical Effectiveness course certification (Harvard School of Public Health)
10/07	ABIM (Sub-Specialty: Geriatric Medicine)
06/08	Geriatric Research Fellowship Certification
05/13	Harvard MACY Clinician Educators
09/18	Medical License (Texas)

Practice Activities

Type of activity	Setting of practice	Name and location of practice
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1) Geriatric Medicine (2/2014-03/2018)	Outpatient Senior Health Practice Inpatient Geriatric and Consultations	Apollo Hospitals Bangalore, India
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Patient Load: 300-400 patient visits per month

2) Geriatric Medicine (2008-8/2013)	Outpatient Senior Health Practice Inpatient Geriatric and Consultations	BIDMC Senior Health Harvard, Boston, MA
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Patient load: Inpatient: General Floor patients/ Geriatric Medicine Consultation- 8-12 weeks per year. Outpatient: (5 half clinics per week). 350 primary care geriatric patients.

3) Geriatric Medicine (2007-2008)	Medical Acute Care Unit	Hebrew Senior Life Boston, MA
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Patient load: Carried 10 patients per day at the Medical Acute care unit

4) Geriatric Medicine (2006-2007)	Inpatient Geriatric and Consult, Outpatient House call Program, PACE, Nursing home, Rehabilitation and Outpatient primary care	BIDMC Senior health Mount Auburn hospital Northshore PACE, Epoch NH Youville hospital, Hebrew Seniorlife Cambridge Hospital, VA, Brigham and Womens hospital
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Patient load: Inpatient: General Floor patients/ Medical Acute care unit/Rehabilitation unit/Long term care-40 weeks; Outpatient: House calls, Outpatient primary care- 220 hours

5) Internal Medicine (2003-2006)	Inpatient General primary care, Outpatient primary care, Various consultative sub-specialties, Intensive Care Unit, Cardiovascular Care Unit and Nursing home	NEUCOM affiliated hosp Canton, Ohio
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Report of Scholarship:

Peer Reviewed Publications in print or other media:

Original Articles:

Stabilization of GFR in advanced Chronic Kidney Disease: A two –year follow-up of cohort of Chronic Kidney Disease patients Stages 4 and 5

Andres Serrano, MD, Jie Huang, ScD, Cybelle Ghossein, MD, Laura Nishi, PA-C, **Anupama Gangavati**, MD, Vijayachitra Madhan, MD, Paramesh Ramadugu, MD, Shubada N Ahya, MD, James Paperello, MD, Neenoo Khosla, MD, William Schlueter, MD, and Daniel Battle, MD.

Advances in Chronic Kidney Disease, Vol 14, No 1 (January), 2007:pp 105-112

Prevalence and Characteristics of Traumatic Intracranial Hemorrhage in Elderly Fallers Presenting to the Emergency Department without Focal Findings.

Anupama Gangavati, MD, Dan K Kiely MPH, MA ; Lara K Kulchycki, MD, Richard E Wolfe, MD, J Lawrence Mottley MD, Sean P Kelly MD MPH, Larry A Nathanson MD, Alan P Abrams MD MPH, Lewis A Lipsitz MD

J Am Geriatr Soc. 2009 Aug;57(8):1470-4. Epub 2009 Jun 3

Establishing Standards of Quality for Elderly Patients Undergoing Pancreatic Resection

Wande B. Pratt, MD, MPH; **Anupama Gangavati, MD**; Kathryn Agarwal, MD; Robert Schreiber, MD; Lewis A. Lipsitz, MD; Mark P. Callery, MD; Charles M. Vollmer, Jr, MD

Arch Surg. 2009 Oct;144(10):950-6.

Uncontrolled Hypertension, orthostatic hypotension and the risk of falls in a community-dwelling elderly population: the MOBILIZE Boston study (MBS)

A. Gangavati, MD; Ihab Hajjar, MD, MPH; Lien Quach, MPH, MS; Rich Jones, ScD; Dan K Kiely, MPH, MA; Peggy Gagnon, R.N.; Lewis A Lipsitz, MD

J Am Geriatr Soc.. 2011 Mar;59(3):383-9

Role of Preventive medicine in Geriatrics- Article for Healthcare Executive Magazine; Leaders Speak section; March 2015.

<https://www.healthcareexecutive.in/role-of-preventive-medicine-in-geriatrics>

Abstracts and proceedings of scientific meetings:

Oral Presentations:

Kikuchi Fujimoto Disease- The unusual mimicker-A Case report

A Gangavati, MD, P Pauskar, MD, W.Hoppes, MD, L.Kirchner, MD, MPH
Canton Medical Education Foundation

ACP National 4/06
NEOUCOM Annual Research Day 5/06

Intracranial Hemorrhage in Elderly fallers: Does anticoagulation play a Role?
A.Gangavati, MD, D.K.Kiely, MPH, R.Wolfe MD, L.Mottley MD, L.Kulchycki MD , A. Abrams MD and L.Lipsitz, MD, BIDMC, Harvard Medical School

BIDMC Research Day 6/08
AARTSS presentation 6/08

Uncontrolled Hypertension, orthostatic hypotension and recurrent falls in the community-dwelling elderly population: the MOBLIZE Boston study (MBS)
A. Gangavati, MD; Ihab Hajjar, MD, MPH; Lien Quach, MPH, MS; Rich Jones, ScD; Dan K Kiely, MPH, MA; Peggy Gagnon, R.N.; Lewis A Lipsitz, MD

American Geriatrics Society 5/09

Poster Presentations:

“Outpatient anticoagulation management: Attitude and Knowledge Survey in Geriatric Fellows.”

A.Gangavati, MD and Lewis A Lipsitz, MD
American Geriatrics Society 2012

"Characteristics & challenges in management of elderly patients on warfarin in a Geriatric Outpatient Practice"

A.Gangavati, MD and Lewis A Lipsitz, MD
*American Geriatrics Society 2011 and
GACA Poster Session 2011*

“Early integration of a geriatric-specific assessment in a medical school curriculum”
P.O.Sullivan MD; **A.Gangavati, MD**; J.Irish; K.Callahan, MD; Z.Tan, MD; A. Fabiny, MD.
Hebrew SeniorLife, Harvard Medical School

American Geriatrics Society 5/09

“Risk of Intracranial hemorrhage in elderly fallers presenting to the Emergency Department: Does anticoagulation play a role?”

A.Gangavati, MD, D.K.Kiely, R.Wolfe MD, L.Mottley MD, L.Kulchycki MD , A. Abrams MD and L.Lipsitz, MD.

*American Geriatrics Society 5/08
AGS Section for Surgical and Related Medical Specialties 5/08
Hebrew Senior Life/HMS Research presentation 2008*

“Needs assessment survey of the adequacy of geriatric education for an internal medicine program and its graduates”

M.Rajan, MD, **A.Gangavati**, MD, K. Nelson, E.Baum, MD
Gerontologic Society of America 11/07
Resident/Fellow research day (BIDMC) 6/07

“How effective is providing free blood pressure medications for indigent patients?
-A retrospective case matched analysis”

A. Gangavati, MD, S. Pulagam, MD, K.Wingert, RN, Steve Armatas, RPh, E.Baum, MD,
L.Kirchner, MD.
NEOUCOM Annual Research Day 5/05

“Localized Plasmacytoma of Skull in a Patient with Plasma Cell Dyscrasia-A Case Report”

A Gangavati, MD, P Manuszak, MD, M Salterelli, MD, P Schneider, MD, JC Tabet, MD, and
F Whittier, MD.
ACP-Ohio Chapter 10/04
Aultman Research Day 06/04
NEOUCOM Annual Research Day 05/04

“Role of a Comprehensive Renal Clinic in CKD Stabilization and Management”

A Serrano, MD, C Ghossein, MD, **A Gangavati**, MD, D Battle, MD
Division of Nephrology/Hypertension, Feinberg School of Medicine of Northwestern Memorial
Hospital, Chicago, IL USA
American Society of Nephrology 11/02
Chicago Medical Society 12/02

“A Two-Year Prospective Follow-up of a Cohort of Subjects with CKD stages IV and V
Stabilization of GFR in Conjunction with Anemia Management is Possible in a Majority of
Patients”

A Serrano, MD, **A Gangavati**, MD, A Kshirsagar, MD, C Ghossein, MD, L Nishi, PA-C, MS,
J Paparello, MD, D Battle, MD, Division of Nephrology/Hypertension, Feinberg School of
Medicine of Northwestern University and Northwestern Memorial Hospital, Chicago, IL USA, &
University of North Carolina at Chapel Hill, USA
American Society of Nephrology 10/04

CME presentations:

“Challenges of anticoagulation management in the Elderly patients”-Harvard Continuing Medical
Education (CME) in Geriatrics 2013 (05/2013)

“Diagnosis and Management of Early Dementia”. CME conference (9/21/11 Invited speaker,
Bowdoin Street Clinic, Boston, MA)

“Diabetes in Elderly” Real CME (12/2010 and 01/2011 Invited Consultant)

“Anticoagulation in Elderly” CME conference (07/2010 Invited Speaker, St Anna-Jacques’
Hospital, Newburyport, MA)

“Pain management in elderly (2007 CME conference, Rosebud Indian Reservation Hospital, Rosebud, South Dakota)

“Sepsis in Elderly in India”- Indian Academy of Geriatrics Conference, GERICON, Chennai, November 2013.

“Geriatric Syndromes”- Internal Medicine CME at ESI hospital, Bangalore, June 2014

“Delirium in Indian Elderly”- Healthy Ageing in the Changing world-3rd world congress on Geriatrics and Gerontology-2014

“Pre-operative issues in geriatric patients- A Geriatrician’s perspective”.

Geriatric Anaesthesia Conference- August 2016

Healthy Ageing in Changing world 2016 Geriatric Conference- November 2016

“Dementia in Elderly”

Apollo Neuro Update 2016- December 2016

Professional Educational Materials:

1) Reynolds Foundation 2007:

Powerpoint presentations for Geriatric Teaching of Emergency medicine residents at Beth Israel Deaconess Medical Center.

2) Anticoagulation Manual: 2008

Developed Manual of Operations for the Gerontology Division’s outpatient anticoagulation Clinic. This manual specifically addresses the needs of the elderly patients. The manual includes indications and goals of warfarin initiation and maintenance, warfarin dosing algorithm, drug and food interactions, management of sub-therapeutic and supra-therapeutic INRs and summary of the ACCP 2008 guidelines.

3) Q stream online module for anticoagulation in elderly: Online curriculum via qstream.com is available for all learners.

The learning objectives were formulated as below:

Age and Anticoagulation

HAS-BLED score

Warfarin dose initiation in the elderly

Warfarin dose management

Warfarin-Acetaminophen interaction

Warfarin Cultural influences

Warfarin and hemodialysis

Warfarin and pre-operative recommendations

Warfarin and bleeding

Low intensity warfarin

Nursing home thrombo-prophylaxis

Newer anticoagulants

Dabigatran-dosage, storage and side effects

Dabigatran and bleeding

Rivaroxaban and Apixaban-Dosing/Antidote
Newer anticoagulants and Warfarin conversion and vice versa
Newer anticoagulants and pre-operative recommendations
Dementia and Anticoagulation

4) Apollo Hospitals, Jayanagar, Bangalore, India- Nursing Education
Geriatric Curriculum training for nurses was conducted. Presentations of Geriatric Syndromes and Diseases were conducted for the nurses. The curriculum included Physiology of ageing, Delirium, Dementia, Polypharmacy, Urinary incontinence, Falls, Diabetes in Elderly, Cardiovascular disease in the elderly and Pressure ulcers.
A pre and post test was conducted after the presentation which revealed knowledge improvement.

Narrative Report

Dr. Anupama Gangavati joined the gerontology division in 2008 and was a primary care geriatrician for over 350 patients.

Clinical and administrative accomplishments:

Dr. Gangavati's clinical responsibilities included primary care and consultative geriatric medicine practice. She also provided outpatient pre-operative consultative services for Whipple's surgery. She also provided inpatient geriatric and consultative services at the Beth Israel Deaconess Medical Center.

Dr. Gangavati's clinical and research interest is in anticoagulation and its effects in the elderly and in an effort to manage the outpatient warfarin management in the elderly, she developed the Manual of Operations for the Gerontology Division's outpatient anticoagulation Clinic. This manual specifically addresses the needs of the elderly patients. The manual includes indications and goals of warfarin initiation and maintenance, warfarin dosing algorithm, drug and food interactions, management of sub-therapeutic and supra-therapeutic International Normalized Ratios and summary of the ACCP 2008 guidelines.

As a member of the anticoagulation sub-committee at the Beth Israel Deaconess Medical center, Dr. Gangavati has attended numerous meetings and provided expert opinion on anticoagulation in the geriatric patients.

Dr. Gangavati received the prestigious Geriatric Academic Career Award for development and implementation of curriculum teaching anticoagulation management in the elderly and further geriatric education for a multidisciplinary group. This grant was from 2010-2013.

Dr. Gangavati also led transition of the outpatient anticoagulation management of geriatric patients from the clinic to the Beth Israel Deaconess Centralized Anticoagulation Clinic. This transition was being planned for the past 5 years for the overall goal of patient safety and Dr. Gangavati was successful in making this transition. This pilot was successful in transitioning 100 geriatric patients to central anticoagulation clinic which is primarily management by anticoagulation nurses and pharmacists. She met multiple times with the medical director, pharmacist and the anticoagulation nurses to educate the team regarding geriatric anticoagulation management and successfully led the transition. This transition was successful in achieving the overall goal of improving safety of anticoagulation management in elderly patients.

Teaching accomplishments:

During her fellowship, Dr. Gangavati was a PD2 course co-director for Second year Harvard Medical Students at the Hebrew Senior Life. She has pursued this interest as an attending physician and has precepted at PD2 central geriatric sessions for the second year Harvard medical students. Along with this, she has precepted and guided third and fourth year Harvard Medical Students in the Geriatric outpatient senior health practice at the Beth Israel Deaconess Medical Center and at Harvard Medical School OSCE sessions. She has also precepted geriatric medical fellows and internal medicine residents in the inpatient and outpatient settings. As a part of the Geriatric Fellowship program, she has mentored various geriatric fellows as an attending and offered advice on career opportunities. As part of the Reynold's foundation, Dr. Gangavati collaborated with the emergency department to provide geriatric medicine teaching to the Emergency medicine residents at the Beth Israel Medical Center. Dr. Gangavati also participates as a preceptor in teaching HMS at various years of their training. As an educator, Dr. Gangavati was actively involved in serving as a preceptor and mentor for Geriatric Fellows, Harvard medical students, High School Students and Beth Israel Medical Center's Residents. She was a Real-CME consultant for diabetes education in elderly for primary care physicians. She also gave an anticoagulation CME talk to physicians and surgeons at a community hospital and to the Harvard Geriatric fellows. Dr. Gangavati gave a CME talk for a community clinic regarding Diagnosis and Management of Dementia. She has also given CME workshops to an international audience regarding "Challenges in Anticoagulation management in the Elderly" at the Harvard Geriatric CME course.

As a member of the Academy of Medical educators at the Beth Israel Medical center, Dr. Gangavati attended several educational sessions offered by the academy.

Dr. Gangavati was awarded the Geriatric Academic Career Award in 2010 to develop and assess a multi and interdisciplinary anticoagulation management curriculum.

Dr. Gangavati is a member of the BIDMC academy for medical educators and has attended numerous courses offered by the academy. She has also participated in the Harvard Diagnostic Clinical Reasoning Study. She has developed an online teaching curriculum to educate medical professionals regarding anticoagulation in the elderly via Q stream as part of her Geriatric Academic Career Award. The overall goal of the project for the Geriatric Academic Career Award was geriatric education and safe management of anticoagulation in the elderly patients. Year one of the award was devoted to development and pilot implementation of curriculum for the geriatric fellows. Year two of the award was devoted to development and implementation of the curriculum for house-staff. Year two of the award also focused on developing curriculum addressing cultural the influence of cultural beliefs and practices on anticoagulation management in diverse elders. Year three of the award was devoted to development and implementation of the curriculum for nurses. Along with education regarding warfarin management, learners are learning regarding the new anticoagulation medicines. The curriculum is being dispensed to the learners via spaced education and Q stream (part of spaced education) tool.

She has taken CME courses online regarding anticoagulation management, attended and successfully completed the Harvard MACY course for clinician educators. She has attended national conferences (AGS) every year and has gained knowledge and developed connections with other GACA recipients. The Geriatric Academic Career Award enabled Dr. Gangavati to accomplish her career goals of becoming a skilled, established geriatric clinician educator and an anticoagulation management expert at BIDMC, Harvard, and on the national level. She hopes to take this knowledge and educate learners on an international level.

Research Accomplishments:

Dr. Gangavati was the recipient of the Hartford center of excellence in Research Fellowship award 2008-2009. Her research was focused on clinical outcomes in geriatric patients. Out of the four publications in major scientific journals, she published three research papers under mentorship of Dr. Lewis Lipsitz (Outcomes in geriatric patients undergoing pancreatic surgery, Outcomes in elderly fallers on anticoagulation and orthostatic hypotension, uncontrolled hypertension and the risk of falls in community dwelling elderly people). She also assisted Lewis Lipsitz, MD in reviewing article and providing expert opinion for an article submitted to the Lancet.

Dr. Gangavati developed a multi and interdisciplinary anticoagulation management curriculum with the help of the Geriatric Academic Career Award.

She presented posters regarding challenges involving warfarin anticoagulation management in the outpatient elderly patients and knowledge and attitude survey in geriatric fellows at the American Geriatrics Society National Meetings.