

# **SAINS**

#### AHMEDABAD INSTITUTE OF MEDICAL SCIENCES

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AIMS Campus, Nr. S.P. Ring Road-Ognaj Circle, Nr. Lion's Karnavati Eye Hospital, Gota-Kalol Highway, Lapkaman, Ahmedabad-380060.



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Welcome to the 2<sup>ND</sup> Vol. Jan.2023 Newsflash.

It is a commonly accepted norms that the college newsletter, mirrors the activities of the Institution. It reflects the consolidated efforts of the teachers and the students to contribute articles in a creative manner. It will also exhibit the latent talents of the teachers and the students as poets, researchers and so on.

Most importantly, at the colleges, we are a team of dedicated teaching faculties and supportive staffs committed to the welfare of the students. I am sure that this will be informative and resourceful.

I thank my team for their support and co-operation.

My hearty wishes to all of you.

Prof. HETAL PATEL Principal, AINS College, Lapkaman, Ahmedabad.

# From the Editor's Desk

# EDITORIAL TEAM



Ms. ANKITA KAMOTHI Asso. Professor, AINS



Dr. GOPI CONTRACTOR Lecturer, AIMS



Ms. RIPAL PATEL Nursing Tutor, AINS

# **About Institutions**

'Education is one of the most powerful weapon in life .It allows us to find the meaning behind everything and helps improve lives in an assive way'

Ahmedabad Institute of Medical Sciences (AIMS) and Ahmedabad Institute of Nursing Science (AINS) run by Garvi Gujarat Medical and Educational Foundation. College has excellent infrastructure and all facilities required to train individuals to become the best - Physiotherapists and Nurses in the field. College consists of group of dedicated and hardworking educationists, their endeavor in providing and establishing good professional education to the students. College offers excellent clinical exposure at various Government, Non Government and Corporate level Multispeciality Hospitals. Along with this, we provide chance to participate students into Extra-curricular activities, Seminars, Workshops, Research Projects, Educational visits, Webinars and Days celebrations for comprehensive development of students.

Welcome all to AIMS and AINS Family

# ABOUT PARAMEDICAL COURSES

AIMS offers certificate programme in paramedical courses. Our courses are affiliated by Gujarat University. All these courses are taught by experienced and dedicated faculties. At our college and respective hospitals and laboratories, we make effort of turning our students into useful component of society.

We are quite sure that each of these courses shall widen the horizon of our students and give immense opportunity. Come to be apart of the organization and enlighten your career in following courses at AIMS.

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# **Ergonomics**

#### Introduction

Ergonomics word is derived from the Greek form of the word which is broken into ergo (work) and nomos (laws of). So, the literal meaning of the word ergonomics is "the laws of work."

International Ergonomics Association defines "Ergonomics is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance."



Figure 1: Aspects of Ergonomics

It is a discipline that studies the relationship betweenthe activity or work

performed by human and the components of this work includes tasks, tools, methods, work environment,

## Aims of Ergonomics

- It improves workspaces and environments to reduce the risk of injury.
- It also organises systems so that the people over there can work in conditions of optimal efficiency, safety and comfort.

## Process of Ergonomics

➤ Assess Risks ➤ Plan Improvements ➤ Measure Progress ➤ Scale Solutions

# Domains of Ergonomics

According to the International Ergonomics Association, there are three broad domains of ergonomics

1. Physical 2. Cognitive 3. Organizational

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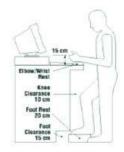


Figure 2: Ergonomics in sitting and standing positions

Feet Net on ground or certifing on technical

# 1. Physical Ergonomics

It is focused on Workplace Ergonomics and takes anatomical, anthropometric, physiological and biomechanical characteristics into consideration like body manipulations, carrying heavy weights, movements (especially repetitive ones). It is an approach or solution to deal with a number of work-related musculoskeletal disorder.

#### 2. Cognitive Ergonomics

It is concerned with mental processes, such as perception, memory, reasoning, and motor response, as they affect interactions among humans and other elements of a system.

#### 3. Organizational Ergonomics

It refers to the optimization of social technical systems, including their organizational structures, policies and processes. It includes team work, job shifts, work satisfaction, schedules and ethics.

# \* Benefits of Ergonomics

- Improvement in mental Insight
- ➤ Higher productivity
- Reduces pain
- > Improved employee engagement
- Improvement of physical health
- Reduced risk of work-related injuries and illness
- ➤ Eliminate Hazards
- > Happy employee
- Better safety culture

By: Dr. Gopi Contractor

Lecturer, AIMS

"A Good Stance and Posture reflect a proper state of Mind"

# Alzheimer's Disease

#### INTRODUCTION

Alzheimer's disease is a dementing disorder that causes severe and permanent loss of intellectual function.patients with Alzheimer disease begin having forgetfulness, then progress to having irreversible loss of memory

## DEFINITION

Alzheimer's disease is a progressive degenerative disorder that attacks the brain and results in impaired memory,thinking and behaviour

#### ETIOLOGY

- Unknown Head Injury Vascular abnormalities
- Neurochemical deficiencies in the neurotransmitters acetylcholine, somatostatin, norepinephrine
- Environmental Repeated head trauma, exposure to aluminumor manganese
- Genetic Abnormalities on chromosomes 14or 21

## SIGN AND SYMPTOMS

- Gradual loss of recent and remote memory
- Difficulty with learning new information
- Inability to concentrate
- Deterioration in personal hygiene
- Impaired

#### DIAGNOSTIC TESTS

- History collection Physical examination PET Scan
- CT Scan MRI Electroencephalogram

## MANAGEMENT

- Treatment include managing cognitive symptoms withcholinesterase inhibitors, such as donepezil (aricept), rivastigmine(exelon) and galantamine(reminyl).
- This drugs enhance acetylcholine uptake in the brain to maintain memory for a while
- Medical management is focused on maintaining the quality of life, maximizing function, enhancing cognition.
- It has been found that maintaining a healthy diet may help to prevent or slow the progression of
  Alzeimer's disease. It is suggested that the diet be low in fat, high in Omega-3 oils and high in dark
  vegetables and fruits.

Normal Brain Alzheimer Brain

Cortex

Sulci

White matter

Hippocampus

Alzheimer's Symptoms



# Research Abstract

# "Awareness And Knowledge of Kangaroo Mother Care among Physiotherapy Students"

- BACKGROUND: Kangaroo Mother Care, which is often also called as Kangaroo Care or Skin-to-Skin Contact, is a simple method of care for mainly for low-birth-weight infants that includes early and prolonged skin-to-skin contact with the mother or substitute caregiver and exclusive and frequent breastfeeding. It is widely known and accepted as a beneficial intervention which significantly improves the development of premature infants, though the implementation of this is low.
- PURPOSE: NICUs care for most neonates is provided by healthcare professionals with sharply limited parental participation. However, in India these remains low due to lack of knowledge and reluctance to implement KMC. So, here arises the need of this study to assess current awareness and knowledge of kangaroo mother care among physiotherapy students.
- METHODOLOGY: 'Awareness of KMC scale' was filled by 162 physiotherapy students (Age 18-25) and submitted through Google forms.
- RESULT: In this study, result showed that there is 64% awareness and knowledge of KMC among physiotherapy students.
- CONCLUSION: This study concludes that there is 'average' awareness and knowledge of KMC among physiotherapy students.

By Nidhi Shah SYMPT, AIMS

"A STUDY TO ASSESS THE EFFECTIVENESS OF STRUCTURED TEACHING PROGRAM ON KNOWLEDGE REGARDING CARE OF LOW BIRTH WEIGHT BABIES AMONGMOTHER OF NEONATES ADMITTED IN NEONATAL INTENSIVE CARE UNIT AT SELECTED PRIVATE HOSPITAL, AHMEDABAD, GUJARAT."

#### Objectives of the study were :

- · To assess the existing knowledge of mothers regarding care of low birth weight babies.
- To assess the effectiveness of structured teaching programme on knowledge regarding care of low birth weight babies among mothers of neonates admitted in Neonatal Intensive Care Unit.
- To assess the knowledge of mothers after administration of structured teaching programme on knowledge regarding care of low birth weight babies among mothers of neonates admitted in Neonatal Intensive Care Unit at selected private hospital, Ahmedabad, Gujarat.

#### Method of research design

According to the system model conceptual framework include in the study, other research design used one group pretest-posttest was experimental design; on probability convenient sampling method was used. Samples were selected among mother of low birth weight babies admitted in neonatal intensive care unit of selected private hospital, Ahmedabad. structured questionnaire method was used for the data collection

## Major findings of the Study

The mean pre test knowledge score of sample about mothers of neonates was 13.36 where aspost test knowledge was21.73. The mean post test knowledge score is significantly higher than the mean pre test knowledge score with the mean difference of 8.37 and the calculated the 't' value was 9.53 which was statistically proved there for the null hypothesis H01 was rejected and research hypothesis H1 accepted. And it revealed that the structured teaching programme was effective in terms of knowledge among the sample.

By: Final year B.Sc Nursing Students AINS

# **Staff Achievements**





Presented Paper on "A Comparative study to evaluate the effectiveness of Manual Lymphatic Drainage and Pneumatic Compression on Post Mastectomy Arm Lymphedema on Breast Cancer Patients of selected hospitals of Ahmedabad city "organized by Apollo and cancer centers in 4th INDO oncology summit at Bhubaneswar.

#### Dr. GOPI CONTRACTOR (Lecturer, AIMS)

Presented a Paper on "Development and Psychometric analysis of health questionnaire for classical dancers" at 6th Society of Indian Physiotherapists conference 2022 at Chennai.



## Dr. VAISHALI SUTHAR (Lecturer, AIMS)



Presented paper on "To study the effectiveness of kinesio-taping on pain and quality of life in participants with lower abdominal surgery" at 59th National Conference of Indian Association of Physiotherapists at Kolkata.

# **Student Achievements College Toppers of Year 2021-22**



RAVAT UNNATI CHANDRAKANT (72%) S.Y. B.Sc. Nursing



PATEL MARGI HITESHKUMAR (75.71%) T.Y. B.Sc. Nursing



PATEL JALAK PRAKASHBHAI (75.4%) Final Year B.Sc. Nursing



DISHITA SHAH (74%) Second Year Bachelor of Physiotherapy



KINCHIT JAIN (77.83%) Third Year Bachelor of Physiotherapy



SAKINA HARIANAWALA (75.50%) Final Year Bachelor of Physiotherapy



NIDHI SHAH (65.25%) Masters of Physiotherapy

"Your attitude, not your aptitude, will determine your ALTITUDE"

# **Candle Lighting & Oath Taking Ceremony**





"Learn to Light a candle in the darkest moments of someone's life. Be the light that helps others see; it is what gives life its deepest significance."

The lamp lighting ceremony held as a tribute to Florence Nightingale is an auspicious occasion in every nurses life. It is an important event that formally recognise the students entry into nursing profession. This time 'Lamp Lighting and Oath Taking Ceremony' of 15th batch of B. Sc Nursing students of Ahmedabad Institute Nursing science was held on 30th August, 2022, at sardar vallabhbhai Patel National memorial Auditorium ,Ahmedabad.Dr. Pragna Dabhi,Registrar of Gujarat Nursing Council was the chief guest of the ceremony.

# 6th Convocation Ceremony and Graduation Day





"Convocation is not the end; it's the beginning"

It is a symbol of change, of progression and of moving into new adventure. As it becomes a key part of Graduate's timeline, AIMS becomes the first college amongst all physiotherapy colleges in organizing graduation ceremony in Gujarat since 2016 every year. This time 6th Convocation ceremony was celebrated on 12th September 2022 at Tagore Hall, Ahmedabad. Dr. Yagna Shukla, Principal Govt. Physiotherapy College, Ahmedabad. President GSCPT and Mr. Jitendra Adhiya Mind Trainer & Life Coach were the chief guests of the ceremony. Great gala event was arranged during that time.

# Garba Celebration





On the occasion of Navratri and World Heart day, grand event of Zumba Garba was organized by AIMS and AINS at AIMS Lush Garden under the guidance of vey well known Zumba Instructor Dr. ZalakVasavda on 29th September, 2022. The event was well attended by all enthusiastic students, Faculties and other staff members in traditional grooming. Appreciation was awarded to the winners in different categories like Best Performance, Best Costume and Best Pair.

# **Educational Visits & Activities**

# Ahmedabad Institute of Medical Sciences



Educational Visit at National Institute of Occupational Health, Meghaninagar, Ahmedabad



Educational Visit at Savvy Swaraaj, Gota, Ahmedabad



Medical Camp at Lapkaman Village



Seminar on "Mind your Mind" on the occasion of "Mental Health Day" celebration by ICH Shilpa Agarrwal at Auditorium

# Ahmedabad Institute of Nursing Science



Educational Visit at "Avval Foundation" Old Age Home, Ghatlodiya, Ahmedabad



Educational Visit at Kanoria Hospital & Research Centre, Bhat, Ahmedabad



Children's Day Celebration at Primary School, Lapkaman, Ahmedabad



Workshop on Critical Care by Dr. Ashok Sharma at Auditorium

# **Co-Curricular Activities**



Farewell of Final Year B.Sc. Nursing (Batch - 2018-2022)



BPT & MPT Students Participated at Global Diabetic Walk



Group Day Celebration by AINS Students



MPT Students Participated at National Games 2022



Traditional Day Celebration by AINS Students



Talk on Breast Cancer by Dr. Neeta Vyas

# **Student Corner**

#### सपने

जरा पूछो इन सपनों से, क्यों चले आते हैं, आते कहाँ से हैं, चले कहाँ जाते हैं।

कभी किसी स्वर्ण महल में याँ ही बिख जाते है, कभी बेबस बीहड़ों में कहीं छोड़ आते हैं । प्यार कभी देते हमें कहर कभी ढाते हैं, आते कहाँ से हैं, चले कहाँ जाते हैं।

कल्पना से परे कभी राजा भी बनाते हैं, पलभर में रंक बना जाने क्यों सताते हैं। निराशा में थकेल कभी, विजय गीत गाते हैं, आते कहाँ से हैं, चले कहाँ जाते हैं।

बाल कभी युवा सा वृद्ध भी बनाते हैं, कभी रूठ जाते हैं तो रातभर जगाते हैं। कल्पना के लोक में हँसाते ये रुलाते हैं, आते कहाँ से हैं, चले कहाँ जाते हैं।

> By Abhishek Pandya FYMPT

## हमारे मार्गदर्शक

गुरुर्बहाा गुरुर्विष्णुः गुरुर्वेवो महेश्वरः । गुरुसीक्षात परब्रहा तस्मै श्रीगुरवे नमः ।।

ईश्वर से ऊपर का दर्जा दिया गया है, एक गुरु की जगह कोई अब तक ले नहीं पाया है। ज्ञान का दीपक जलाकर उन्होंने, हमे अज्ञानता के अंधेरे से बचाया है । गुरुने ही तो हमे सही राह पर चलना सिखाया है। गलतियाँ तो लाखो की है हम ने पर, हमारी गलतियों को प्यार से समझाया है। नफरत को प्यार से जीतना. ये तरीका हमे गुरुने ही सिखाया है। गुरु ने ही तो हमे सही राह पर चलना सिखाया है। समझना थी हममें सही और गलत की, मासूमसी जिंदगी में समझदारी का पाठ पढ़ाया है। भटक जाते हैं कभी कभी हम राह से, हमारी उंगली पकड़कर सही राह बताया है। गुरु ने ही तो हमे सही राह पर चलना सिखिया है। हम आपका एकसान कभी अदा ना कर पायेंगे, सच्ची मानवता की भावना हमें जो बताया है। नमन करती हूँ आपको तहे दिल से, ढाल बनकर के हर मुश्किल से बचाया है। गुरु ने ही तो हमें सही राह पर चलना सिखिया है।

> Jaiswal Komal Ramnivas Final Year B.Sc. Nursing

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