

THE MENTORS
HEALTHCARE COURSES

UPPER EXTREMITY NEUROREHABILITATION & SPLINTING – 2 DAY WORKSHOP

- ◆ Get an overview of elements of neurorehabilitation that influence splinting and functional device practice.
- ◆ Rationales and logic of splint making in neurological conditions.
- ◆ Learn basic hands-on skills of splint molding and problem solving.



DR. SHO VAN SAHA

- MOT Hand Rehab, Ph.D in Assistive Technology Outcomes
- Associate Professor at Manipal University, India



DATE 9-10 NOVEMBER 2024

VENUE ABU DHABI

DOH Accredited Program

President
Indian Society Hand Therapy



THE MENTORS
HEALTHCARE COURSES

COURSE OVERVIEW SPLINTING:

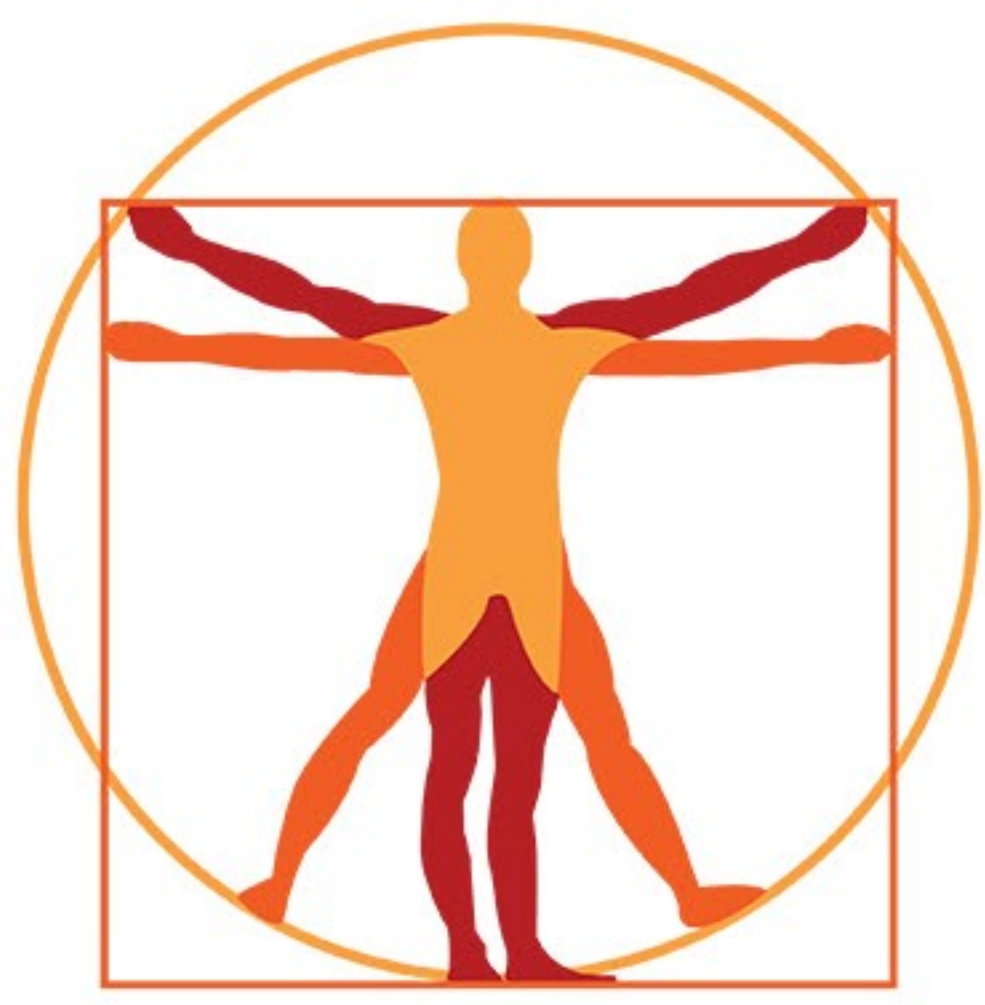
Hand splints/ orthosis are externally applied devices over the affected parts of the upper extremity, used to modify the structural and functional characteristics of the neuro-muscular and skeletal systems by applying forces to the body.

It supports healing tissue, corrects or prevents contracture, assists motion and aids in attachment for self-help device. It also serves the purpose of tissue and joint protection, positioning, prevention, correction and to facilitate certain functions.

It is a highly-skilled, creative and decision-making process. It produces beneficial effects for both physical and neurological conditions, in acute and chronic conditions. Based on their mechanical profile, they can be either static or dynamic in nature.

They are custom-made, often directly on the client's limb, and the mainstay materials used are low-temperature thermoplastic and metal (aluminum). These are made in specially dedicated setups, equipped with specific tools. Splinting intervention can redefine rehabilitative outcomes.





THE MENTORS
HEALTHCARE COURSES

COURSE AGENDA

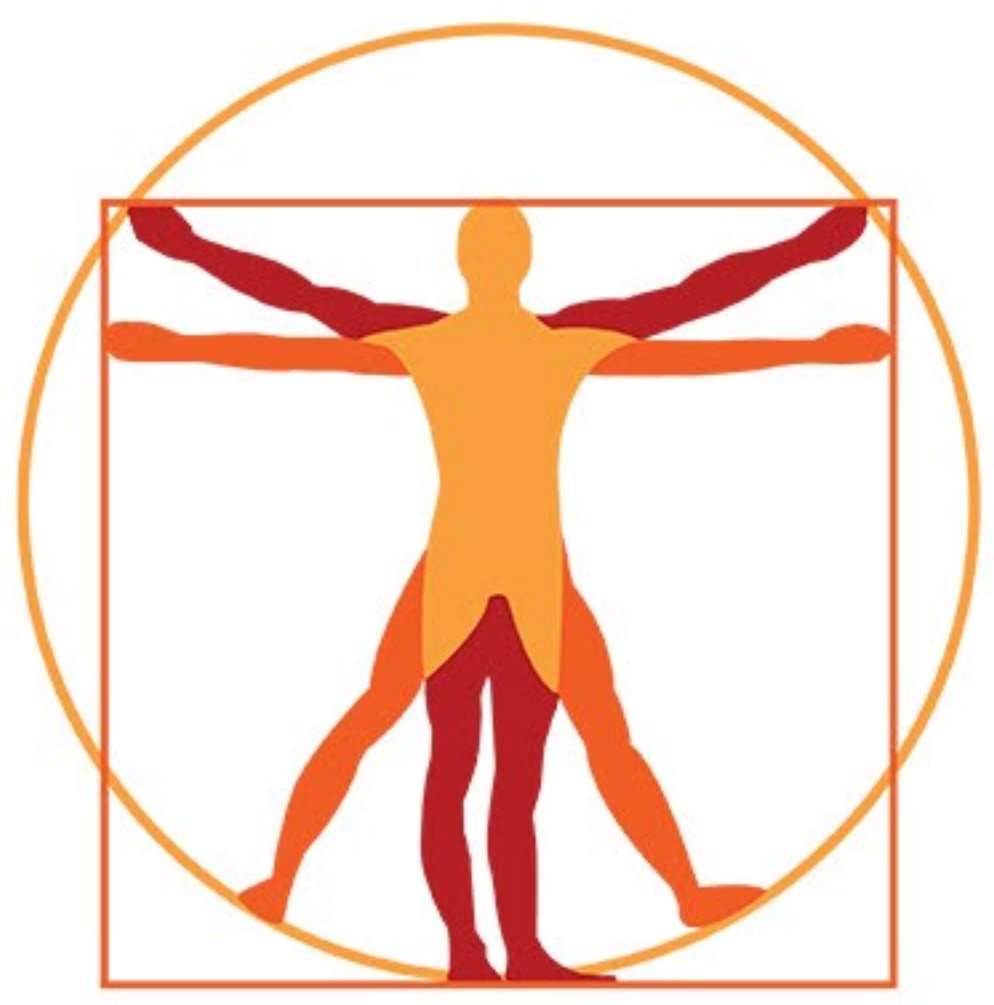
FACETS OF UPPER EXTREMITY NEUROREHABILITATION & SPLINTING: THEORY AND PRACTICES

Date: 9-10 November 2024

Venue: Abu Dhabi

DAY 1

| TIMINGS | TOPICS |
|---------------------|--|
| 8:00 – 8:30 am | Registration |
| 09.00-9:30 am | Registration |
| 9:30-10:30 am | INTRODUCTION |
| 10:30 - 10:45 am | Coffee Break |
| 10:45 -11:45 am | Philosophy of Neurorehabilitation |
| 11:45 am - 12:45 pm | Physiology of spasticity and consequences of spasticity |
| 12:45 – 1:45 pm | Lunch Break |
| 1:45 - 2:45 pm | Understanding Neuroplasticity and Motor Development of Upper Extremity |
| 2:45 – 3:45 pm | Role of Therapeutic Activity |
| 3:45 – 4:00 pm | Coffee Break |
| 4:00 – 5:30 pm | Splint making and spasticity |
| 5:30 – 6:00 pm | End of Day Discussion and Review |

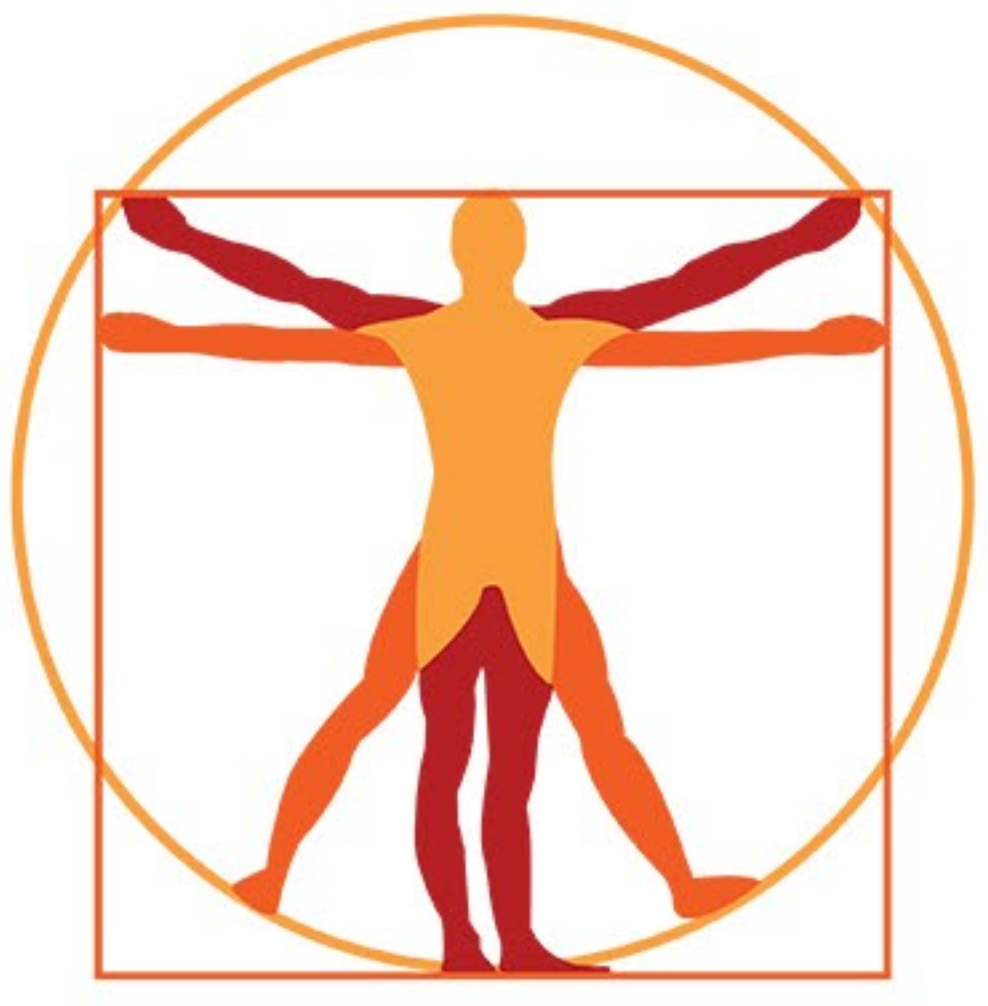


THE MENTORS
HEALTHCARE COURSES

DAY 2

| TIMINGS | TOPICS |
|-------------------------|---|
| 8:00 – 8:30 am | Registration |
| 8:30-9:30 am | Rationales for designing frugal functional devices |
| 9:30-10:30 am | Understanding materials and basic skills |
| 10:30 - 10:45 am | Coffee Break |
| 10:45 -11:45 am | Splint appraising in neurological conditions through the video presentation |
| 11:45 am - 12:45 pm | Splint making in neurological conditions |
| 12:45 – 1:45 pm | Lunch Break |
| 1:45 - 2:45 pm | Splint making in neurological conditions (continued) |
| 2:45 – 3:45 pm | Creating activities in neurological conditions |
| 3:45 – 4:00 pm | Coffee Break |
| 4:00 – 5:30 pm | Summary, Feedback and Open Discussion Summary of the training session and Discussion to clear doubts |
| 5:30 – 6:00 pm | End of Day Review and Certificate distribution |





THE MENTORS
HEALTHCARE COURSES

COURSE OBJECTIVES:

At completion, the participants will learn the following:

1. Practical importance and application of splints
2. Rationales and logic of splint making
3. Learn basic hands-on skills of splint molding and problem solving.

COURSE OUTCOME:

- Classification & Principles
- Biological Rationales
- Hands On Splint Fabrication Lab
- Handling Splinting Tools
- Analysis of Fabricated Splints
- Case Examples
- Splint Making





THE MENTORS
HEALTHCARE COURSES

INSTRUCTOR BIO

DR. SHOVAN SAHA

- MOT Hand Rehab, Ph.D in Assistive Technology Outcomes
- Associate Professor at Manipal University, India



Dr. Shovan Saha is currently working as an Associate Professor at Dept of Occupational Therapy, MCHP, MAHE, Manipal, INDIA.

Dr. Shovan Saha had his MOT in Hand Rehabilitation and Ph.D. in Assistive Technology Outcomes. Area of clinical interest is in the field of HAND REHABILITATION, SPLINTING & LOW TECHNOLOGY ADAPTIVE DEVICES, ENTREPRENEURSHIP IN OT.

Authored articles in national & international journals, and chapters in textbooks including the internationally renowned Hand and Upper Extremity Rehabilitation: A Quick Reference Guide and Review, (4th ed) and India's first book on ASSISTIVE TECHNOLOGY.

He is an invited speaker both at national & international forums of repute, delivered 200+ professional talks including universities in USA and Indian Institute of Technology on topics related to hand rehabilitation, hand splinting, low technology adaptive device, entrepreneurship in OT, therapeutic activities and motivational talks in OT. He is a Recipient of several national AIOTA Trophies, Professional Excellence Award, FACOT Award, Maddak International Award at AOTA, Best Teacher Award at MAHE, Manipal Foundation Grant for his PhD, Travel Grant and MAHE Innovation Award, Manipal University Seed money funds.

He is Involved in projects of World Federation of Occupational Therapy, WHO-ICF, WHO- Assistive Technology and former consultant to Handicap International in the field of Hand Splinting. He is a post professional post graduate teacher for OT students specializing in Hand Rehabilitation, and has developed a specialized live training program on Hand Splinting, and has already trained 68 batches of Occupational Therapists and is a honorary faculty for India's first Assistive Technology training program by Govt of Kerala, India. He has designated Hand Therapy Educator by IFSHT and is a Technical Mentor for Med-Tech Innovators affiliated to Govt of India. He was invited to represent India at the Global Summit of Assistive Technology at WHO Headquarters in Geneva. He is currently the President of Indian Society for Hand Therapy & Exec Member at IFSHT, he was also the former Hon Secretary of AIOTA and former Head of OT Program at Manipal.

