

# Training of First Responder Health Care Professionals in Trans-disciplinary Care for Cerebral Palsy – Impact on Knowledge and Attitude



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## **NEED FOR THE STUDY:**

The Indian Academy of Cerebral Palsy (IACP) has devised a Training Module called the Identification of Developmental Differences and Early Action (IDDEA) Module to train all Health Care Professionals (HCP) in identifying and in management of Developmental differences. This was considered important, because in India, there is a great paucity of developmental experts leading to delayed detection and consequent complications in children with developmental differences.

**OBJECTIVES:** To evaluate the impact of the training in Trans-disciplinary care using the IDDEA Module on Knowledge and Attitudes of HCP.

## **METHODOLOGY:**

**Study design:** Descriptive study.

**Study Participants:** HCP including Pediatricians, General Physicians, Therapists, Community level workers, etc who attended the 2 day workshop.

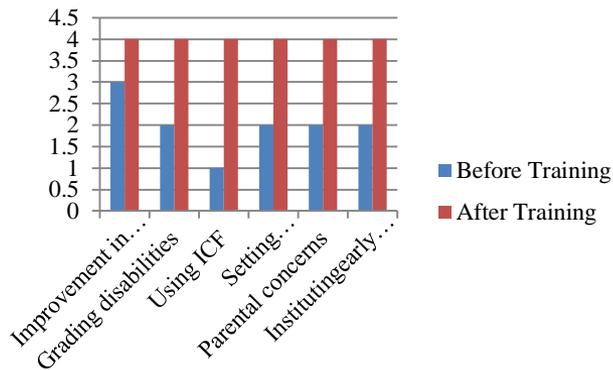
**Study Methodology:** A self administered pre and post test questionnaire validated by an interdisciplinary team, was distributed during the multiple trainings conducted, to assess learning gains in knowledge and skills. Data on quality of the training was also collected through subject experts who observed the 2 day training.

**Statistical analysis:** Descriptive statistics were used for 5 point Likert type data and Wilcoxon Rank Sum Test [presented as pre versus post score using median interquartile range] for the 5 point Likert type data was used for pre and post impact

## **EXPERTS ANALYSIS:**

- \*Very effective for a workshop module.
- \*IDDEA module is a very comprehensive module which clarified the trans-disciplinary approach.
- \*Along with the scientific content, stress on empathetic approach is commendable

## **RESULTS**



\*In terms of Knowledge, there was improvement in grading functional classifications, using ICF, and early Initiation of management.

\*With respect to Attitudes, there was better addressing of parental concerns and communication skills.

There was statistically, significant differences ( $p < 0.05$ ) in both knowledge and attitudes

## **THEMATIC ANALYSIS:**

- ❖ Enhanced Parental communication, as we could gauge the prognosis better, which in turn helped us to build confidence in parents

## **CONCLUSIONS:**

- ❖ This training module was successful in demonstrating significant improvement in knowledge and the attitude of first responder HCPs towards a transdisciplinary family centred approach to cerebral palsy.

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## **METHODOLOGY:**

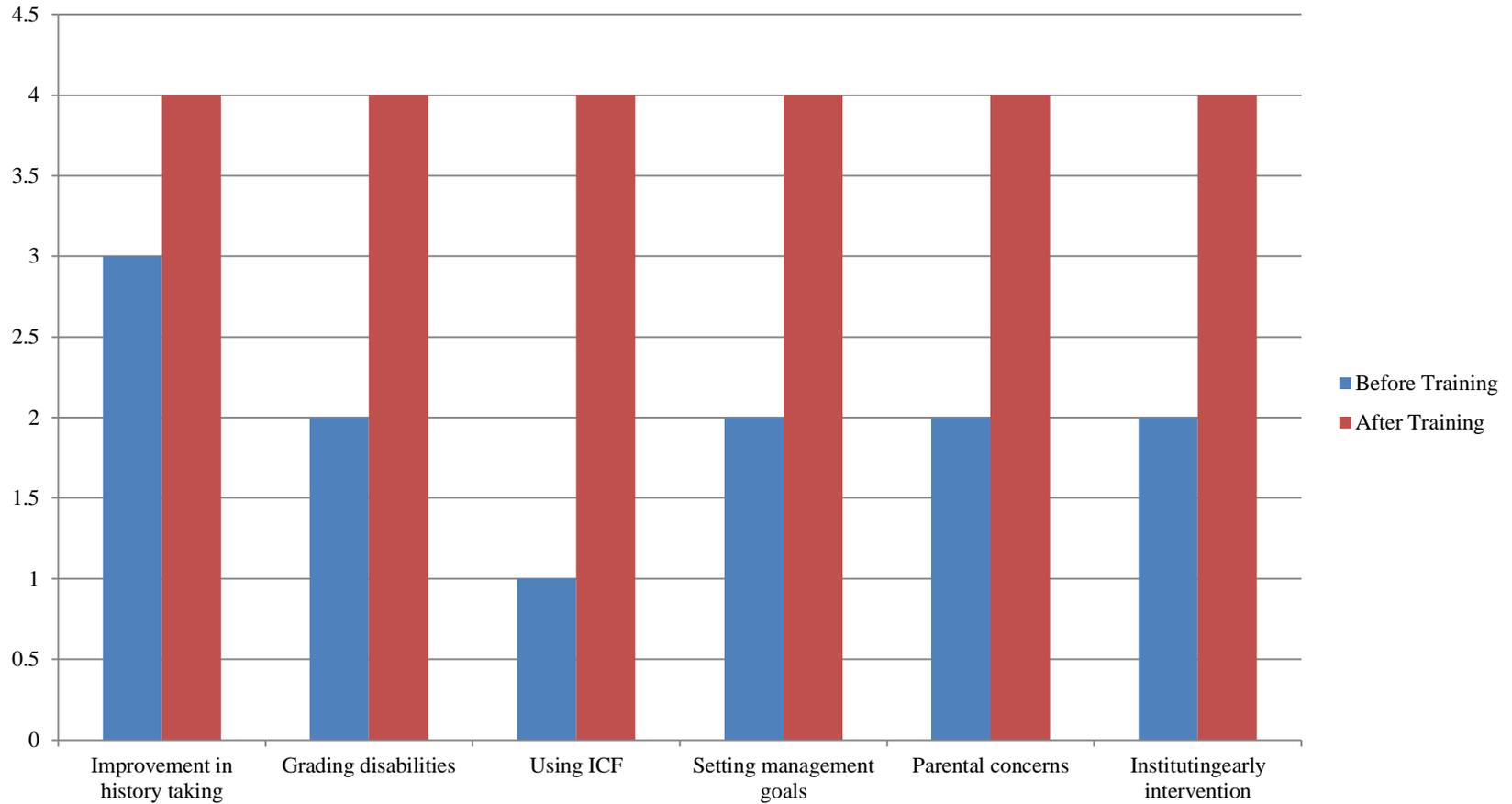
**Study design:** Descriptive study.

**Study Participants:** First contact HCPs including Pediatricians, General Physicians, Therapists, Community health workers [Nearly 400] & special educators who attended the 2 day workshop.

**Study Methodology:** A self administered pre and post test questionnaire validated by an interdisciplinary team, was distributed during the training conducted at multiple places[ 10 training workshops] to assess learning gains in knowledge and skills. Data on quality of the training was also collected through subject experts who observed the 2 day training.

**Statistical analysis:** Descriptive statistics using 5 point Likert type data and Wilcoxon Rank Sum Test [presented as pre versus post score using median interquartile range] for the 5 point Likert type data was used for pre and post impact

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# RESULTS

## **THEMATIC ANALYSIS:**

- ❖ Enhanced communication regarding the likely outcomes as per the ICF frame work, helped us to build confidence in parents in working with their children

## **CONCLUSIONS:**

- ❖ This training module was successful in demonstrating significant improvement in knowledge and the attitude of first responder HCPs towards a transdisciplinary family centred approach to cerebral palsy.

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