

# RENAISSANCE

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**College of Physiotherapy  
Sumandeep Vidyapeeth**

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# ACADEMIC ACTIVITIES

## Parents Teacher Meeting 2015 held on 3<sup>rd</sup> April 2015 at COP, SV

College of Physiotherapy, Sumandeep Vidyapeeth had organized Parents Teacher Meeting 2015 on Friday, 3<sup>rd</sup> April 2015.



The meeting was conducted in two sessions. The morning session started at 10:15 am, where parents of 1<sup>st</sup> year BPT and 2<sup>nd</sup> year BPT were addressed first by the Principal, who thanked them for attending and briefed them about the purpose of meeting and then the class coordinators gave the details about the performance of students of their respective classes, in general. The afternoon session which began at 3 pm, parents of 3<sup>rd</sup> year BPT and Final year BPT were again similarly addressed by the Principal and then by respective class coordinators. As refreshment, arrangement of tea was done for the parents. The tea was arranged for 120 persons in the morning and 25 persons in the afternoon. **The brief details of each session are as below;**

### Morning session:

#### Faculties present:

Prof Dr Lata Parmar (Principal),

Dr G.P. Kumar (U.G. Coordinator),

Dr Kalpesh Satani,

Dr Neha Mukkamala (1<sup>st</sup> year coordinator),

Dr Tanvi Dalvi (2<sup>nd</sup> year Coordinator),

Dr Tejas Chokshi (3<sup>rd</sup> Year coordinator),

Dr Megha Mehta (Student Dean),

Dr Saraswati Chitaria (1<sup>st</sup> year coordinator),

Dr Niketa Patel (2<sup>nd</sup> year Coordinator).

Approx. 100 parents of 1<sup>st</sup> year and 2<sup>nd</sup> year BPT students were present in the meeting. The Principal briefed them about the purpose of the meeting. Afterwards, 1<sup>st</sup> year BPT class coordinator and 2<sup>nd</sup> year BPT class coordinator projected progress of respective year till date. The information included were details of subjects of that class, result analysis of 1<sup>st</sup> and 2<sup>nd</sup> term and attendance of students. Following this, the U.G. coordinator explained certain disciplinary rules mandated by the University. The session was concluded with open house session where parents asked their queries and the principal and / or class coordinators cleared their doubts. After the session tea was served and parents were directed to 1<sup>st</sup> year BPT and 2<sup>nd</sup> year BPT classroom for personal / one to one interaction with class coordinators / Mentors.



In the morning session, few parents had queries regarding absenteeism and exams:

- ❖ One parent had a doubt that despite parents sending application of leave; students are marked absent at the time of attendance. The parent was explained about the purpose of application which is to make teachers aware about the absence of their ward in the College and the application will **NOT** convert absence into presence.
- ❖ Another parent asked if her ward is absent in 1 or 2 lectures in one subject which is having already less number of lectures e.g. 7 lectures, in rest of the subject her ward is having >90 % of attendance so will University withhold her ward in that particular subject due to lack of attendance?
- ❖ The parent was explained that it has to be assured that student is not purposefully remaining absent in the particular subject due to reasons like disliking the subject or bunking the lectures etc. If the reason of absence is valid, at the time of University exam, the exam committee (at departmental level) will assess overall performance of student and then will take the decision in betterment of the student.
- ❖ Some of the parents requested to provide bus service during exams as they have to come to pick their wards in the afternoon, as they leave early. The Principal told them that the matter will be discussed with the authorities.

- ❖ There was a question regards University paper for “Evidence based Practice”. The Principal informed all University is planning to have an University exam for “evidence based practice” but still the matter is under discussion.
- ❖ There was a query-“if due to certain unavoidable reason student is not able to attend prelim exam, will he/she be allowed to appear for university exam?” The Principal informed that prelims are compulsory, that according to the situation of emergency and student’s overall performance, exam committee will decide about the eligibility of the student to appear in University exams.
- ❖ Few parents requested annual calendar of events. They were informed that already the calendar of events is kept on notice board.

They were explained satisfactorily clarifying their doubts by the Principal and U.G. coordinator.

**Afternoon session:**

Faculties present:

Prof Dr Lata Parmar (Principal),

Dr G.P. Kumar (U.G. Coordinator),

Dr Kalpesh Satani,

Dr Tejas Chokshi (3<sup>rd</sup> Year coordinator),

Dr Megha Mehta (Final Year coordinator),

Dr Palak Mistry (3<sup>rd</sup> year coordinator),

Dr Neha Modi (Final Year coordinator).

Dr Niketa Patel (Assistant student dean)



Afternoon session: Approx 15 parents of 3<sup>rd</sup> year and Final year BPT students came. Once the Principal thanked them and briefed them about the purpose of meeting, Third year BPT and Final year BPT class coordinators presented progress of their students to the parents who were present and the UG coordinator spoke about the University discipline rules which were mandatory.

The session was concluded with question-answer session where parents asked their doubts. The Principal tried to satisfy their doubts. After session tea was served and parents interacted with class coordinators personally.

In the afternoon session, parents put forwarded few difficulties experienced by students. They also had few doubts which were clarified by the Principal.

- ❖ Parents wanted clarity in %age of required attendance, the criteria of 90% was projected, the Principal emphasized that we targeted for 90% of attendance so at the time of University exam none of the students are < 80% and detained because of the attendance.
- ❖ One parent requested that in summer final year class room becomes very hot. So can there be any solution for the same? E.g. change of class room during summer time. The Principal told that we will look into the matter and try for some temporary solution.
- ❖ Few parents requested to change the College timings because their wards get exhausted when they reach home and are not in situation to study or do any other activity. The Principal informed that changing College timings is a problem because we have to coordinate with medical College for medical subjects.
- ❖ One parent requested for extra fans in 3<sup>rd</sup> year class room. The class coordinator informed that yet no such complaints were received from students but the Principal assured that we will look in to the matter.
- ❖ There was a request to declare course for exam earlier? The parent was informed that the students are always informed well in advance; soon the annual course will be identified and put up well in advance.
- ❖ One parent had query regards completion of journals; they were assured that sufficient time is given to the students for submission.
- ❖ There was a question about students being relieved at 6:30pm to 7:00pm during exams, as it was a problem for female students to travel late in evening in chakras. The Principal told them that as there were more number of the students and sometimes it is not in their hands that the time gets extended. However, this is already under consideration and probably avoided next time.
- ❖ There was a request to arrange one staff to accompany students during transportation for evening functions, if students are going to be relieved late. The Principal told that this always is a policy.

**At the end of each session, feedbacks from the parents were collected by class coordinators.**

## Visit to Bionic Rehab, Vadodara

The College of Physiotherapy had arranged a visit on 23/04/2015 for final year BPT students to Bionic Rehab – Rehab centre of Dr Virendra Shandilya, a visiting faculty of our college. It was organized to provide better understanding to our students about fabrication of various orthosis and prescription of prosthesis, which are part of the curriculum. An approval from the Registrar regarding the visit was taken in April'2015, and the arrangements were made.



The list of the orthosis and prosthesis that needs to be demonstrated, was prepared by class co-ordinator and subject in charge, and was got approved by the Principal. On 23/04/2015, eleven final year BPT students with Dr Niketa Patel left Sumandeep Vidyapeeth campus around 12:15 pm in college bus (City Ride 3136). Thirty two students who live in Vadodara preferred self transportation. The session started at 1pm. The session was interactive in nature.

Mr Keyur Mehta (Orthotist and Prosthetist), demonstrated various orthosis and prosthesis and its mechanism to the students. Small practical session of observational gait analysis (lower limb amputate) and students practiced application of orthosis on each other under Mr Keyur Mehta's supervision. At last donning and doffing of transtibial prosthesis on a patient was demonstrated to the students. The session ended at 4:15pm. The students residing in hostel returned to campus in college bus.



## CONTINUOUS PHYSIOTHERAPY EDUCATION (CPE) ON “PHYSIOTHERAPY SKILLS IN ICU – A HANDS ON WORKSHOP”

College of Physiotherapy, Sumandeep Vidyapeeth organized one day CPE on “**PHYSIOTHERAPY SKILLS IN ICU – A HANDS ON WORKSHOP**” on 27 April 2015 at College of Physiotherapy at Pipariya, Waghodia, Vadodara.

In continuation to our last CPE on Pulmonary Physiotherapy Care and Rehabilitation, this Scientific Program envisages Physiotherapists to develop physiotherapy assessment and management skills on Intensive Care Unit patients. India is increasingly having more number of patients who suffer from various Pulmonary problems that requires an effective Incentive Physiotherapy care.

College of physiotherapy invited two specialists, one of them was specialists in Cardio Pulmonary Physiotherapy, **Dr. Jaimala Vijay Shetye**, Associate Professors, Physiotherapy school and Centre, Seth GSMC and KEMH, Parel, Mumbai conducted this workshop. Our second speaker was Dr. Chaitri shah, Associate Professors & Incharge of critical care department, Dhiraj Hospital, Pipariya, Vadodara.

Inaugural function of this workshop began at 11 am and Prof. Lata D Parmar, Principal, College of Physiotherapy, welcomed all the dignitaries and resource persons of the Workshop.

Air Commodore (Dr) G D Mehta, Hon Chancellor, SVU, presided over the inaugural function of the workshop and asked delegates to take full advantage of speakers who shared their expertise. He also said Physiotherapists should themselves take care of the health of their own lungs so that they can help patients who are in need of them. Shree N N Shah, Registrar, Sumandeep Vidyapeeth was also present in the inaugural function.

Dr Jaimala & Dr Chaitri both conducted the workshop and they spoke about the length and breadth of Physiotherapy in Critically ill Pulmonary care. In afternoon session, they took the delegates to the ICU and shown them the skills required in handling and treating the patients.



Dr. Mansukh Shah, President, Sumandeep Vidyapeeth, Dr Dixit Shah, Managing Trustee of Sumandeep were patrons of this workshop and gave total support to make this program successful.

Participants from various Physiotherapy colleges of Gujarat attended the workshop and benefitted from the lectures and activities held at the workshop designed by the eminent ICU professionals.

## PG ACTIVITIES

During the January – April 2015 period PG students conducted many academic activities that are listed in the table below:

Activity	PG I	PG II	Total
Seminar	20	21	41
Journal Presentation	11	45	56
Skill Presentation	09	04	13
Case discussion	12	41	53

MPT students had attended 02 weekly clinical meets organized by SBKSMI & RC on topics ‘Cardiac cephalgia’ and ‘Glomerulonephritis’.

MPT-I students and from MPT-II with cardiac specialty students had also attended CME titled “Hands on workshop Physiotherapy skills in ICU” in April 2015 organized by COP, SV.

Apart from academic activities, students took participation in women’s day celebration. They had a talk on women empowerment.

List of seminar & Clinical skills during (Jan – April 15)

### List of seminars

Sr. No.	Date	Seminar Title	Presenter
1.	13-1-2015	Seminar presented on cough and compression training	Parth D.
2.	21-1-2015	Seminar on biomechanics of shoulder joint	Fenny D.
3.	27-1-2015	Seminar on neurogenic bladder and bowel	Megha S.
4.	27-1-2015	Seminar on principles of pathological investigations and imaging techniques in cardiopulmonary conditions	Bindi S.
5.	3-2-2015	Seminar on advanced therapeutics in LASER	Dhruval M.
6.	4-2-2015	Seminar on biomechanics of shoulder joint	Fenny D.
7.	5-2-2015	Seminar on advanced therapeutics in LASER	Dhruval M.
8.	10-2-2015	Seminar on physiotherapy in psychiatric condition	Preksha N
9.	10-2-2015	Seminar on principles of pathological investigations and imaging techniques in cardiopulmonary conditions	Bindi S.
10.	11-2-2015	Seminar on thermoregulatory changes during exercise	Maitri S.
11.	18-2-2105	Seminar on anatomy and physiology of respiratory system	Parth D.
12.	18-2-2015	Seminar on thermoregulatory changes during exercise	Maitri S.
13.	24-2-2015	Seminar on principles of pathological investigations and imaging techniques in musculoskeletal conditions	Ruchi S.
14.	25-2-2015	Seminar on thermoregulatory changes during exercise	Maitri S.
15.	3-3-2015	Seminar on applied physiology of respiratory system	Parth D.



16.	3-3-2015	Seminar on principles of pathological investigations and imaging techniques in musculoskeletal conditions	Ruchi S.
17.	4-3-2015	Seminar on body composition	Maitri S.
18.	10-3-2015	Seminar on advance therapeutics in ultrasound therapy	Vrunda L.
19.	10-3-2015	Seminar on principles of pathological investigations and imaging techniques in neurological conditions	Pooja R.
20.	11-3-2015	Seminar on body composition	Maitri S.
21.	17-3-2015	Seminar on principles of pathological investigations and imaging techniques in neurological conditions	Pooja R.
22.	17-3-2015	Seminar on advance therapeutics in ultrasound therapy	Vrunda L.
23.	18-3-2015	Seminar on orthopaedic implants	Chandani M.
24.	25-3-2015	Seminar on biomechanics of gait	Dhruval M.
25.	25-3-2015	Seminar on obesity	Bindi S.
26.	30-3-2015	Seminar on total knee arthorplasty	Fenny D.
27.	31-3-2015	Seminar on principles of pathological investigations and imaging techniques in neurological conditions	Pooja R.
28.	31-3-2015	Seminar on physiotherapy in deficiency disorder	Dhwani M.
29.	1-4-2015	Seminar on nutrition, caloric balance and obesity management	Bindi S.
30.	1-4-2015	Seminar on gait analysis	Dhruval M.
31.	3-4-2015	Seminar on lymphoedema	Bhavi P.
32.	7-4-2015	Seminar on principles of pathological investigations and imaging techniques in neurological conditions	Pooja R.
33.	7-4-2015	Seminar on neurology in ageing	Shuchi J.
34.	8-4-2015	Seminar on obesity and weight management	Bindi S.
35.	8-4-2015	Seminar on lymphoedema and its management	Bhavi P.
36.	9-4-2015	Seminar on osteoarthritis of knee joint	By Fenny
37.	15-4-2014	Seminar on visual rehabilitation in homonymous hemianopia	Preksha N.
38.	15-4-2015	Seminar on obesity and weight control	Bindi S.
39.	22-4-2015	Seminar on obesity and weight control	Bindi S.
40.	28-4-2015	Seminar on developmental screening	Maitri S.
41.	29-4-2015	Seminar on Individual and environmental factor influencing muscle work	Ruchi S.

### List of Clinical Skills

Sr. No.	Date	Skill topic	Presenter
1.	19-1-2015	Skills on limb length discrepancy	Maitri S.
2.	20-1-2015	Skill on primitive reflex	Dhwani C.
3.	2-2-2015	Skills on mobilization	Bindi S.
4.	18-3-2015	Skill on skin fold measurements	Maitri
5.	30-3-2015	Skills on finger ROM measurement	Megha S.
6.	1-4-2015	Skill on massage	All PGs
7.	6-4-2015	Skills on muscle length test	Pooja R.
8.	8-4-2015	Skill in compression stockings	All PGs
9.	20-4-2015	Skill on relaxation techniques	Ruchi S.

## RESEARCH ACTIVITIES

### List of completed research projects of students

S.N.	Name of Student	Co-Investigator(s)	Title incl. sample size	Batch No. & Roll No.	SV IEC Approval Date & No.	SV IEC Completion Date & No.
1	Devmurari Parth	Dr.Kalpesh Satani,	THE EFFECT OF INCENTIVE SPIROMETRY IN IMPROVING LUNG FUNCTION AFTER UPPER ABDOMINAL SURGERY. SAMPLE SIZE – 24	2013-14 Batch	06/02/14 SVIEC/ON/PHY/BMMPT-B/D14158	16-01-15 SVIEC/ON/PHY/BNMPT13/D15013
2	Manwani Chandni	Dr.G.P. Kumar	INFLUENCE OF PAIN SENSITIVITY ON DISABILITY IN PATIENTS WITH LOW BACK PAIN. SAMPLE SIZE – 48	2013-14 Batch	06/02/14 SVIEC/ON/PHY/BMMPT-B/D14153	16-01-15 SVIEC/ON/PHY/BNMPT13/D15003
3	Shah Mansi	Dr.Lata Parmar	EFFECT OF INFRARED RADIATION ON SURGICAL INCISION IN MOTHERS WITH CAESAREAN SECTION. SAMPLE SIZE - 29	2013-14 Batch	06/02/14 SVIEC/ON/PHY/BMMPT-B/D14160	16-01-15 SVIEC/ON/PHY/BNMPT13/D15008
4	Manvani Ashita	Dr.Lata Parmar	IMMEDIATE EFFECT OF PHYSIOTHERAPY IN PATIENTS WITH LOW BACK PAIN. SAMPLE SIZE - 33	2013-14 Batch	06/02/14 SVIEC/ON/PHY/BMMPT-B/D14160	16-01-15 SVIEC/ON/PHY/BNMPT13/D15001

5	Macwan Noel	Dr.Lata Parmar	TO STUDY PROPRIOCEPTIVE IMPAIRMENTS IN OA KNEE PATIENTS. SAMPLE SIZE - 54	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14155	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5010
6	Dudhwala Fenny	Dr.Kalpesh Satani	PREVALENCE OF NECK AND SHOULDER PAIN AND RISK FACTORS AMONG PRIMARY SCHOOL TEACHERS. SAMPLE SIZE - 338	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14151	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5007
7	Chanpura Dhvani	Dr.Lata Parmar	Establish normative value of tandom stance and unipedal stance in school going children 6 to 12 age.	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14157	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5006
8	Desai Stuti -	Dr.Kalpesh Satani	EFFECTS OF PASSIVE STRETCHING ON BLOOD GLUCOSE LEVEL IN PATIENTS WITH TYPE II DIABETES MELLITUS. SAMPLE SIZE – 23	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14156	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5011
9	Patel Bhavi	Dr.Lata Parmar	EFFECT OF VAGINAL CONE ON PELVIC FLOOR MUSCLE STRENGTH IN POST MENOPAUSAL WOMEN WITH STRESS INCONTINENCE. SAMPLE SIZE – 32	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14150	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5002
10	Gutt Chirag	Dr.Kalpesh Satani	AEROBIC CAPACITY IN TABACCO SMOKERS. SAMPLE SIZE - 40	2013-14 Batch	06/02/14 SVIEC/ON/P HY/SVIEC/ON/PHY/BM MPT-B/D14152	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5004
11	Mehta Dhruval -	Dr.G.P. Kumar	Immediate effects of tapping in osteoarthritis knee.	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14154	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5005
12	Soni Megha -	Dr.G.P. Kumar	EVALUATION OF STATIC AND DYNAMIC BALANCE IN FLAT FOOT. SAMPLE SIZE - 40	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14146	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5009
13	Joshi Shuchi	Dr.G.P. Kumar	TO ESTABLISH THE VALIDITY OF GUJARATI AND HINDI VERSION OF MODIFIED FALLS EFFICACY SCALE. SAMPLE SIZE - 98	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14148	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5014
14	Vrunda Lakhtaria	Dr.Lata Parmar	EFFECT OF SHORT TERM PHYSIOTHERAPY IN PATIENTS WITH CERVICAL SPONDYLOSIS SAMPLE SIZE - 32	2013-14 Batch	06/02/14 SVIEC/ON/P HY/BMMPT-B/D14163	16-01-15 SVIEC/ON /PHY/BN MPT13/D1 5012

15	Mittal Sheth, Physiotherapy	Dr. G. P. Kumar, Physiotherapy	Prevalence of low back pain in rural farm labourers and their treatment seeking behaviour. Sample size: 299	Batch no. 2013-14 Roll no. 10	Date: 06/02/2014 SVIEC/ON/ PHY/BMPT - 13/D14161	Date: 23-03-15 SVIEC/ON/ BNMPT 14/D15026
16	Preksha Nagar	Dr. G. P. Kumar, Physiotherapy	Quality of life in recent stroke patients and burden on caregivers.	Batch no. 2013-14 Roll no. 13	Date: 06/02/2014 SVIEC/ON/ PHY/BMPT - 13/D14147	Date: 23-03-15 SVIEC/ON/ BNMPT 14/D15027

### List of ongoing Ph.D.

S . N .	Principal Investigator	Guide Name	Title incl. sample size	SVIEC Approval Date & No.
1	Neha Mukkamala Physiotherapy	Dr. J. D. Lakhani Medicine	To study the profile as well as prevalence of musculoskeletal problems in patients with diabetes mellitus Sample size: 1000	20/01/15 SVIEC/ON/2015/15008
2	Niketa Patel Physiotherapy	Dr. Paresh Golwala Orthopaedics	Effect of restoration of normal hip anatomy on abductor lever arm and muscle strength after different hip surgeries Sample size: < 100	20-01-15 SVIEC/ON/2015/15006

### List of Publication

Sr. No.	Author (s) & Dept.	Title	Journal	Year	VOLUME NO	ISSUE NO	PAGE No.	INDEX IN DATABASE	URL/CITATION
1	Dr. Sneha Dhanani , Prof. Lata Parmar, Physiotherapy	NORMATIVE VALUES OF TANDEM AND UNIPEDAL STANCE IN SCHOOL CHILDREN	IJCRR	2014	6	24	24-30	Scope Med	Dhanani SD, Parmar LD. NORMATIVE VALUES OF TANDEM AND UNIPEDAL STANCE IN SCHOOL CHILDREN. IJCRR. 2014; 6(24): 24-30.

### List of Ongoing project - Students

Sr. No.	Name of Student	Co-Investigator(s)	Title incl. sample size	Batch No. & Roll No.	SV IEC Approval Date & No.
1	Pooja Raval,	Dr. G. P. Kumar,	Effect of intensive physiotherapy intervention in traumatic brain injury patients. Sample size: Consecutive referred patients.	Batch no. 2014-15 Roll no. 3	Date: 02-03-15 No. – SVIEC/ON/BNM Pt14/D15024
2	Bindi Sorathia,	Dr. G. P. Kumar,	A study on distal motor impairments and disabilities in type- II diabetic patients. Sample size: Consecutive referred patients.	Batch no. 2014-15 Roll no. 1	Date: 02-03-15 No. SVIEC/ON/BNM Pt14/D15022

3	Ruchi Sureja	Dr. Kalpesh Satani	Functional disability in patients with osteoarthritis of knee joint. Sample size: Consecutive referred patients.	Batch no. 2014-15 Roll no. 4	Date: 02-03-15 No. SVIEC/ON/BNM Pt14/D15023
4.	Maitri Shukla	Dr. Lata Parmar	Effect of electrical modalities in orofacial pain: randomized Controlled Trial	Batch no. 2014-15 Roll no. 2	Pending

<b>Accolades / honors / Awards / Achievements -</b>	<b>bestowed upon by</b>	<b>Date &amp; Place</b>
Invited as chief guest in UGC approved refresher course in physical education, physiotherapy & Yoga	UGC- Academic staff college of Sardar Patel University	2/3/2015 Sardar Patel University, Vallabh-Vidyanagar

## Conferences: Dr. Lata Parmar participated in:

3<sup>rd</sup> Annual Conference of Indian Federation of Neuro Rehabilitation , 7<sup>th</sup>- 9<sup>th</sup> March 2015. Presented poster on “Professionals view & patients response on factors affecting Quality Of Life in Parkinson’s disease in India”

Poster got selected out of 53 posters for Platform presentation of same.



## PROFESSIONALS’ VIEW & PATIENTS’ RESPONSE ON FACTORS AFFECTING QUALITY OF LIFE IN PARKINSON’S DISEASE IN INDIA

Meruna Bose<sup>1</sup>, Dr. Bharti Bellare<sup>2</sup>, Dr. Lata Parmar<sup>3</sup>

<sup>1,2</sup> MGM School of Physiotherapy, Navi Mumbai, <sup>3</sup> College of Physiotherapy, Vidyapeeth, Gujarat

### BACKGROUND

- Parkinson’s disease (PD) prevalence varies greatly throughout the world. Bharucha et al specifically studied the prevalence of PD in the Parsi community and found rates varying between 6-328/10<sup>5</sup>.
- PD is found to affect Quality of Life (QOL) & various scales are used to measure the same. PDQ 39 is one of the most commonly used disease specific scale.
- Recent literature suggests that psychometric properties of PDQ 39 has to be reassessed<sup>2</sup> & few reflect that dimensions of measure like Social Support may not be sufficiently reliable to be used as final outcome.<sup>3</sup> The socio-economic-cultural factors specific to a particular culture affecting QOL in PD subjects has to be studied.

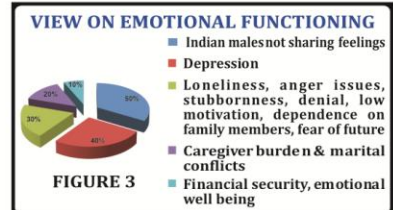
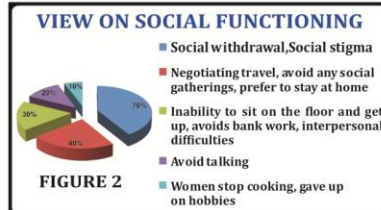
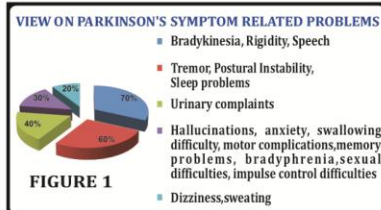
### OBJECTIVES

To explore views of professionals on various factors which can affect quality of life of patients suffering from PD & patient responses on PDQ 39.

### METHODOLOGY

- Exploratory study.
- 16 professional experts working with PD were mailed a semi-structured questionnaire consisting of demographic details & open ended questions on domains affecting Quality of Life (QOL) in PD specific to Indian context.
- 10 professionals responded in descriptive form as questions were open ended.
- Compilation & qualitative review.
- 10 PD subjects of support group of MGM Hospital, Vashi with mean age 68 ± 4.3 years assessed on MDS UPDRS, Hoehn & Yahr scale & PDQ 39.
- Correlation of components of scales effecting quality of life in pd subjects was statistically analyzed.

## RESULTS



**TABLE 1 : CORRELATION OF COMPONENTS OF SCALES EFFECTING QUALITY OF LIFE IN PD SUBJECTS**

Disease specific Scales	Components of scale	Pearson’s r value	p value
HOEHN & YAHR		0.778	0.069
MDS UPDRS	nMEDL	0.787	0.063
	MEDL	0.77	0.073
	ME	0.373	0.466
PDQ 39	MOB	.971**	0.001
	ADL	0.779	0.068
	EMO	0.746	0.089
	STIGMA	.839*	0.037
	SOC	.853*	0.031
	COG	0.65	0.162
	COM	0.583	0.225
	BD	.836*	0.038

\*Correlation is significant at the 0.05 level  
\*\*Correlation is significant at the 0.01 level

### DISCUSSION & CONCLUSION:

- This study reflects that most of the professionals opines bradykinesia & rigidity to affect QOL of PD subjects which affects the mobility of subjects. The response of PD subjects on PDQ 39 also reflects that mobility is one of the important factors affecting quality of life. This is supported by many studies done on QOL in PD patients.
- Different countries having different socio-economic-cultural background may influence the responses of subjects on patient reported outcome measures on QOL.
- In India, social support & stigma were frequently reported by professionals. This can affect going out, participation in social gathering, lead to giving up hobbies.
- Professionals also reported that under emotional functioning not sharing feelings is very typical about Indian men & can influence QOL in PD.
- Existing disease specific patient reported outcome measures on QOL do not cover broad spectrum of affection of social & emotional functioning in relation to socio-economic-cultural background. Measures should be developed which can highlight these aspects in broader range in accordance to background to which patient belongs.

### ACKNOWLEDGMENT:

I would like to thank professionals & PD subjects for giving their valuable time. I immensely thank my mentors & PDMDS, Mumbai for support.

### REFERENCES:

1. Bharucha NE, Bharucha EP, Bharucha AE et al. Prevalence of Parkinson’s disease in the Parsi Community of Bombay, India. Arch Neurol 1988;45:1321-1323
2. Maria H. Nilsson, Albert Westergren, Gunilla Carlsson, and Peter Hagell 1, Uncovering Indicators of the International Classification of Functioning, Disability, and Health from the 39-Item Parkinson’s disease Questionnaire, Parkinson’s disease, Received 3 December 2009; Accepted 8 June 2010, Vol 2010, Pg No 1-10
3. Crispin Jenkinson, Ray Fitzpatrick, Josephine, Leslie, Kim, Cross-cultural evaluation of the Parkinson’s Disease Questionnaire: tests of data quality, score reliability, response rate, and scaling assumptions in the United States, Canada, Japan, Italy, and Spain, Journal of Clinical Epidemiology, September 2003 Volume 56, Issue 9, Pages 843-847

## **Dr. Lata Parmar, Principal, COP, attended scientific advisory committee in Mumbai**

Dr. Lata Parmar participated in the Scientific Advisory Committee (SAC) of MGM University, Navi Mumbai, held between 10.00am – 2.00pm, in the University building. MGM University had many intellectuals on the committee along with invited participants. The chair person was Dr. Alka Deshpande, who is a National figure, Ex HOD Medicine department of GMC, Bombay, and co-ordinator for AIDS program, other prominent persons were:



- Pro VC – Research: Dr. Chander Puri
- Pro VC- Academic: Dr. Lt. Gen. S. K. Kaul
- Nursing Director: Dr. Prabha Dasila  
Dr. Mary Mathews
- Prof. & HOD: Dr. Rakesh Gildiyal
- Dermatologist, PhD Epidemiologist, Canada: Dr. Maninder Setia.
- Bio-Statistician
- Director Physiotherapy- Dr. Rajani Mullerpatan  
Prof. Dr. Bharati Bellare
- Invited Guests including Dr. Lata Parmar



Each faculty was given abstract report of all the students due to present, with a writing pad and pen. It was announced as a policy that at least one publication based on the student's PhD topic, must be published in Journal indexed with PUBMED and / or Copernicus. The PhD six monthly reports of several nursing and Physiotherapy students were deliberated upon at length. It was a learning curve for all. All this was done to enhance the Research level / publications quality and ultimately to effect patient care. Lunch and tea were arranged for the faculty & guests.



## EVENTS

### Woman's day celebration on 9<sup>th</sup> March 2015

College of Physiotherapy (COP), SV has been celebrating International Woman's day on 8<sup>th</sup> March since 2014. This year as it falls on Sunday, we celebrated it on Monday i.e. 9<sup>th</sup> March 2015 between 3:00 pm and 5:00 pm based on this year's declared theme "Make it happen". A theme based rangoli competition was organized at 3:00 pm at college premise, in which 6 groups of under graduate students took part. After rangoli competition, all the students and faculties went to 2<sup>nd</sup> year BPT classroom for Elocution competition. Before beginning the competition, Dr Tanvi Dalvi, Assistant professor, COP, SV, spoke few words on "women empowerment". Total 9 students (both U.G. and P.G.) spoke for about two minutes on declared theme of "Make it happen". At the end results were declared for both competitions.



## Celebration of farewell to intern's batch 2010-2011

The farewell program of intern's batch 2010-11, College of physiotherapy, Sumandeep Vidyapeeth was conducted on 4th March 2015 between 2 - 5 pm at 3rd year BPT lecture hall, COP, SV.



The program was;

- Demonstration of Electrical equipments and advances viz. mini ultrasound and mini IFT machine was done by Mr Divyang Vasavada from "Tapsi equipments"
- Refreshments
- Formal farewell function- talks of intern in charge, UG coordinator, Principal.
- Informal games
- Tea sponsored by 'Tapsi Equipments'

The function was organised by current final year BPT students under guidance of student Dean, COP, SV. The principal, the U. G. Coordinator, all the faculty of COP, interns, and final year BPT students were present in the function.

Mr Divyang Vasavada from "Tapsi equipments (Firm which deals with physiotherapy equipments)" was also present. Prior to program, refreshments were arranged by final year BPT students. The program was commenced with a small demonstration of mini ultrasound and mini IFT machine was done by Mr Divyang Vasavada from "Tapsi equipments" who also gave his best wishes to intern's batch.

This was followed by words from intern in-charge Dr Krishnakant who briefed every one about internship program running at COP, SV. He also encouraged everyone to join master's program to move one step ahead of everyone.



Dr G. P. Kumar, U. G. Coordinator, was next who congratulated everyone and guided them for their future professional life.

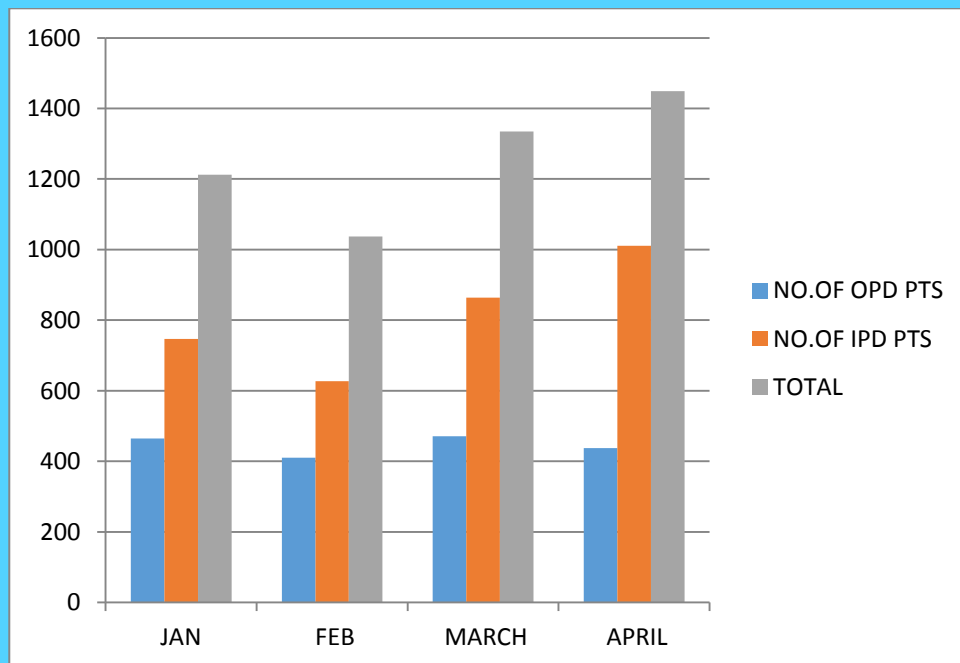
Last Prof. Dr Lata Parmar, Principal, COP, SV gave a beautiful talk by quoting her own example, and encouraged all interns to be proud of their profession and be successful in life.



Following this, all the students started informal games in which they played fishpond, spot questions etc which they all enjoyed. Few interns shared their entire course experience with everyone. Afterwards U.G. Coordinator distributed mementoes to the interns. The program was concluded with tea and biscuits sponsored by "Tapsi equipments".



### **PATIENT CARE:**



**Census of Physiotherapy OPD, Dhiraj Hospital for the Months of January, February, March, April 2015**

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