



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

MGM SCHOOL OF PHYSIOTHERAPY

Sector-1, Kamothe, Navi Mumbai – 410209

APPLICATION FOR SEED MONEY/RESEARCH GRANT

Date: 16th December 2021

Name of Principal Investigator: Miss Perna Yogesh Khosla

Name of co-investigator/s : Dr. Triveni Shetty (PT)

Title of the project: Kinanthropometric and physical fitness profiles of sub-elite Kho Kho players (MGM/DCH/IEC/64/2021)

Name of Department: MGM School of Physiotherapy

Name of the Institution: MGM Institute of Health Sciences, NM

Designation: Associate Professor

E-mail address: tshetty@mgmsopnm.edu.in

Mobile :9920633288

List of important publications of last 5 years of the all the investigators in the relevant fields

Shetty T, Ganesan S, Mullerpatan R. Day II: Friday, March 24, 2023; 5.30 PM Plumeria 3: Disability, Validation studies, Cancer: AB No: 57 MGM Knowledge, Attitude and Practice Tool for primary caregivers of children with cerebral palsy: development and validation.

Patel G, Mullerpatan R, Agarwal B, Shetty T, Ojha R, Shaikh-Mohammed J, Sujatha S. Validation of wearable inertial sensor-based gait analysis system for measurement of spatiotemporal parameters and lower extremity joint kinematics in sagittal plane. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine. 2022 Jan 8:09544119211072971.

Mullerpatan R, **Shetty T**, Ganesan S, Johari A. Review of lower extremity function following SEMLS in children with cerebral palsy. Critical Reviews™ in Physical and Rehabilitation Medicine. 2019;31(2).

Shetty T, Johari A, Ganesan S, Mullerpatan R. Gait Deviation Index of Children with Cerebral Palsy with Severe Gait Impairment. Critical Reviews™ in Physical and Rehabilitation Medicine. 2019;31(1).

Iyer P, **Shetty T**, Ganesan S, Nair S, Rao N, Mullerpatan R. Exploration of sports participation in children with mild intellectual disability. Critical Reviews™ in Physical and Rehabilitation Medicine. 2019;31(1).

Shetty T, Parab S, Ganesan S; Agarwal B, Mullerpatan R. Lower Extremity Muscle Strength and Endurance in Ambulatory Children with Cerebral Palsy. Critical Reviews™ in Physical and Rehabilitation, Medicine, 2019; 31 (1); 1-10

Mullerpatan RP, Agarwal BM, **Shetty T**, Nehete GR, Narasipura OS. Kinematics of Suryanamaskar Using Three-Dimensional Motion Capture. Int J Yoga. 2019 May-Aug;12(2):124-131.



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Mullerpatan RP, Agarwal BM, **Shetty TV**. Exploration of muscle activity using surface electromyography while performing Suryanamaskar. International Journal of Yoga. 2020 May 1;13(2):137.

Dharod R, **Shetty T**, Shete R, Mullerpatan R. Effect of Plyometric Training on Explosive Power, Agility, Balance, and Aerobic Performance of Young Adult Male Kabaddi Players. Critical Reviews™ in Physical and Rehabilitation Medicine. 2020;32(3).

Rajani Mullerpatan, **Triveni Shetty**, Yuvraj Singh, Bela Agarwal. Lower extremity joint loading during Bounce rope skip in comparison to run and walk. Journal of Bodywork & Movement Therapies. 26 (2021) 1-6.

Duration of the project : 24 months

Approval from Scientific Advisory Committee Yes

Ethics committee Clearance Yes

Budget requirements (as per the format as **Annexure 1B**)

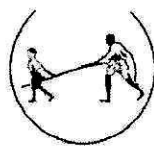
	Year I	Year II	Total (INR)
Recurring			
a. Consumables	2500	2500.00	5000.00
b. Travel	-	-	-
c. Contingency	-	-	-
Non-recurring	4000*10	-	40000.00
	42500.00	2500.00	45000.00

Signature
Principal Investigator

Signature
Co-Investigator

Signature
Head of Department





INSTITUTIONAL ETHICS COMMITTEE
MAHATMA GANDHI MISSION'S DENTAL COLLEGE & HOSPITAL

Junction of NH-4 and Sion Panvel Expressway,
Sector-01, Kamothe, Navi Mumbai- 410 209

Tel: 022- 27436604; Fax: 91-22-27433185; E-Mail:mgmdch@mgmmumbai.ac.in

MGM/DCH/IEC/ 64 /2021

Date:-12 / 7 /2021

To,
Miss Perna Yogesh Khosla
PG Student, MGM School of Physiotherapy
Guide - *Dr. Triveni Shetty (PT)*
Kamothe, Navi Mumbai- 410209

Reference:

1. Your submission of study protocol
2. Study Title: "Kinanthropometric and physical fitness profiles of sub-elite Kho Kho players "
3. IEC-MGMDCH referenceno *MGM | DCH | IEC | 64 | 2021*

Dear Miss Perna Yogesh Khosla

The IEC- MGMDCH has received and reviewed your submission

Following documents were reviewed in the meeting held on date *9 / 7 / 2021*

1. Application to IERC MGMDCH dt. *25 / 5 / 21*
2. Summary of research protocol ✓
3. Research protocol (Version 5 dt *7 / 6 / 2021*)
4. Amendments to research protocol (Version - Dt *+* /2021)
5. Informed consent document (ICD) in English (Version...*5*...dt...*7*.../*6*.../2021) -
6. ICD in Hindi language translated from English (Version ..*5*...dt. *7*.../*6*.../2021) -
7. ICD in Marathi language translated from English (Version..*5*...dt..*7*.../*6*.../2021) -
8. Back translations of ICD from Hindi to English (Version..*5*...dt..*7*.../*6*.../2021) -
9. Back translations of ICD from Marathi to English (Version..*5*...dt..*7*.../*6*.../2021) -
10. Amendments to the ICD (Versiondt...../...../2021) -
11. Case Record Form (CRF) / Study Questionnaire / Study Proforma ✓
12. Principal investigators Current Curriculum Vitae (signed and dated) ✓
13. Subject recruitment procedures: advertisement, letters to doctors, notices *NA*
14. Investigator Brochure (IB) – applicable for investigational new drugs (IND) *NA*
15. Ethics Committee clearance of other study centers (Total No.) *NA*
16. Insurance policy if any *NA*
17. Drugs Controller General (India) [DCG(I)] clearance if applicable *NA*
18. Investigator's undertaking to DCG(I) if applicable *NA*
19. Health Ministry Screening Committee (HMSC) approval if applicable *NA*
20. Bhabha Atomic Research Centre (BARC) approval if applicable *NA*
21. Genetic Engineering Advisory Committee (GEAC) approval if applicable *NA*
22. Director General of Foreign Trade (DGFT) approval if applicable *NA*
23. FDA marketing/manufacturing license for herbal drugs. if applicable *NA*
24. Other Documents (specify.....)

Page No.

MGM School of Physiotherapy
MGM IHS, Navi Mumbai
Inward / Outward No. 194
Date 15 / 07 / 2021
Receiver Signature



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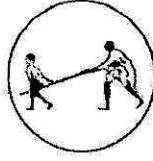
MGM/DCH/IEC/ 64 /2021

Date:- 12 / 7 /2021

The following members of the Ethics committee discussed the study documents and voted at the meeting:

Sr.	Name	Role and Responsibility
1.	Dr. Deepak Langade	Chairman, Scientific
2.	Dr. Srivalli Natarajan	Secretary, Scientific
4.	Adv. Dr. Karuna Malaviya	Scientific, Legal
5.	Dr. Shilpa Patel	Scientific, Woman
6.	Dr. Ravindranath VK	Scientific
7.	Dr. Ashvini Padhye	Scientific, Woman
8.	Dr. Jyoti Nadgere	Scientific, Woman
9.	Dr. Sumanthini MV	Scientific
10.	Ms. Nithya Eldho Varghese	Lay person
11.	Mrs. Rupali Gujar	Social worker

Approved
DECISION



INSTITUTIONAL ETHICAL COMMITTEE
MAHATMA GANDHI MISSION'S DENTAL COLLEGE & HOSPITAL
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MGM/DCH/IEC/ 64 /2021

Date:- 12 / 7 /2021

Based on the discussion of the submitted documents for the scientific and ethical review, we approve the research protocol to be conducted and its presented form subject to the following conditions:

1. Applicable and mandatory regulatory permissions to be obtained prior to commencement of the study i.e. registration at clinical trial registry of India.(www.ctri.nic.in)
2. The investigators and other participants should be adequately trained on the protocol and its related procedures, the Good Clinical Practices (GCP) guidelines prior to commencing the study.
3. Participating subjects should be adequately enlightened about the protocol during informed consent process and under insurance coverage in an event of any trial related injury/accident.
4. Participating subjects should not be put to additional financial burden related to the study protocol.

The validity of this approval is for two years from date of approval. Within this period, the Institutional Ethics Committee expects to be periodically informed about the following:

- The progress of the study
- Any Serious Adverse Event (SAE) occurring in the course of the study
- Any significant changes in the protocol/patient information/ informed consent
- Update on safety of the investigating product or procedure

To provide an abridge copy of the final report after completion of the study.

Thanking You,
Yours Sincerely


Dr. Srivalli Natarajan
Member Secretary

Dr. Srivalli Natarajan
Member Secretary
IERC MGMDCH
Kamothe, Navi Mumbai-410 209.