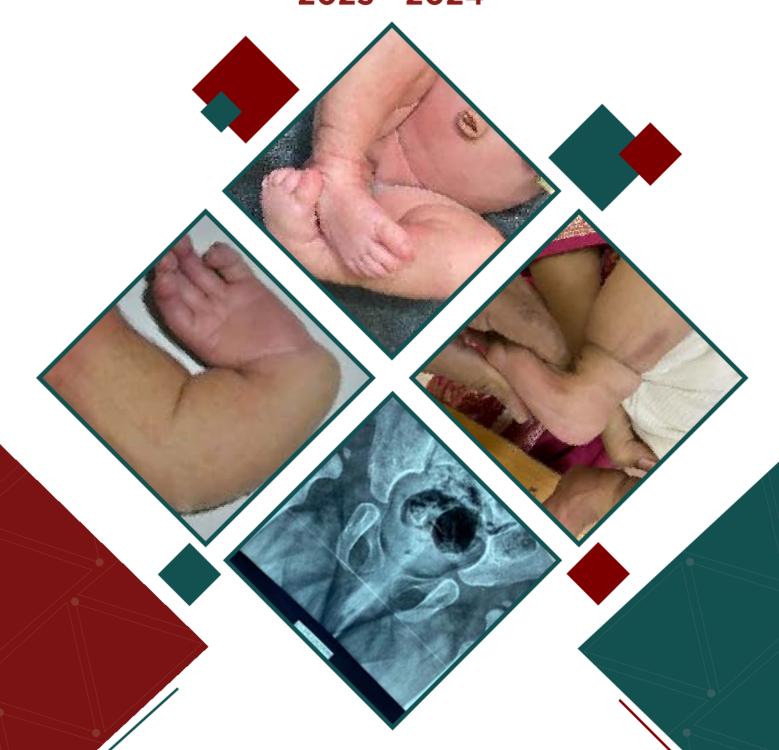




Paediatric Orthopaedic Registry Pakistan

2ndAnnual Report

2023 - 2024



Preface



It is with deep honor and privilege that I pen the preface for the 2nd Annual Report of the Pediatric Orthopedic Registry Pakistan (PORP). In the ever-evolving landscape of medicine, our understanding and approach to clinical assessment and treatment continue to advance. The inception of PORP in 2021 mark a significant milestone in our endeavor to gather prospective data

on children with musculoskeletal deformities and their treatment. This initiative holds promise in enhancing the quality of care, averting disabilities, and mitigating deformities.

PORP stands as a testament to simplicity and usability. I wholeheartedly encourage all Paediatric Orthopaedic Surgeons to participate in PORP and contribute their data. By doing so, we can collectively enhance clinical practice and refine research methodologies, ultimately leading to improved treatment and prevention strategies for deformities.

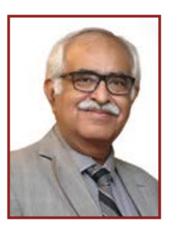
I am immensely grateful for the outstanding contributions of Prof. Dr. Anisuddin Bhatti, the Founding Director of PORP, Prof. Dr. Syed Shahid Noor, Chairman of the Registry Committee at HealthRAB, and Prof. Dr. Zakiuddin Ahmed, General Secretary of HealthRAB. Prof. Dr. Anisuddin Bhatti's dedication, diligence, and expertise have surpassed my expectations, and I take this moment to express my heartfelt appreciation for his invaluable contributions. It is truly a privilege to collaborate with him.

The 2nd annual report of PORP shines a spotlight on the data pertaining to Developmental Dysplastic Hip (DDH) across the nation. Furthermore, the data on Club Foot is seamlessly integrated with the International Clubfoot registry, with aspirations to expand to encompass other musculoskeletal conditions in the long term.

I extend my heartfelt gratitude to the entire team at PORP for their incredible efforts, and I look forward to the forthcoming endeavors, with the hope that they will significantly benefit the Paediatric Orthopaedic Society and advance the field of surgery in Pakistan.

Sincerely,
Prof. Dr. Sikandar Hayat
President, POSP

Message



Clinical registries are essential for gathering and analyzing data on epidemiological trends and treatment outcomes. This information guides best practices, research, and future strategies. However, these registries often face sustainability challenges, highlighting the importance of ongoing support and advancement.

To maximize their impact, stakeholders must move beyond mere data collection and storage, employing modern data analytics to develop additional preventive and therapeutic approaches and contribute to research publications.

The Paediatric Orthopaedic Registry Pakistan (PORP), initiated in September 2021 under the auspices of the Paediatric Orthopaedic Society Pakistan, with academic and technical backing from the Health Research Advisory Board (HealthRAB) and research support from PharmEvo Pakistan, exemplifies this effort. PORP's development involved crafting comprehensive data collection forms utilizing cutting-edge analytic technology to ensure security, user-friendliness, and efficient data retrieval.

Acknowledgment is due to the Core Committee, especially Prof. Dr. Mehtab Pirwani and Prof. Dr. Amin Chinoy, and Steering Committee of PORP, along with Prof. Dr. Zakiuddin Ahmed and Ms. Marium Soomro from HealthRAB, and Mr. Nauman Siddigui from PharmEvo.

Initially focusing on Paediatric Musculoskeletal (MSK) Deformities, Developmental Dysplastic Hip (DDH), and Club Foot Deformity, which is linked to the International Clubfoot registry, PORP plans to expand to include Perthes' disease and eventually Paediatric MSK injuries. Currently, there are 26 registered participants across Pakistan, though only 13 are actively contributing and have entered 942 cases of DDH. The current report spans 31 months of data, offering insights into frequencies, distributions, and protected outcome data accessible to principal investigators for personal clinical audits, patient care improvement, and overcoming encountered difficulties and complications.

The sustained success of PORP hinges on continued support from its steering committee members and registered participants, who play a crucial role in its advancement. It is hoped that participants will continue to champion PORP and encourage others to join, thereby expanding the pool of stakeholders invested in its success.

Sincerely,
Prof. Dr. Anisuddin Bhatti
Founding Director, PORP

Message



I am delighted to present the 2nd Annual Report of the Paediatric Orthopaedic Registry Pakistan (PORP). This report marks a significant milestone for the Paediatric Orthopaedic Society Pakistan (POSP) and the Health Research Advisory Board (HealthRAB) who joined forces to initiate this registry in 2021.

The PORP was established with the primary objective of systematically gathering and organizing information on paediatric musculoskeletal (MSK) issues in a structured and scalable manner. The registry initially focuses on Developmental Dysplasia of the Hip (DDH) and will expand its scope to other MSK issues including Perthes, and Paediatric Fractures etc. in the near future. This report highlights the progress made by PORP since its inception and provides an insight into the registry's contribution to advancing paediatric orthopaedic research in Pakistan. It showcases the dedication and commitment of the POSP and HealthRAB teams in the successful implementation of this project. On behalf of the POSP and HealthRAB, I would like to express my heartfelt gratitude and appreciation for Prof. Dr. Anisuddin Bhatti for his outstanding leadership and unwavering commitment towards the successful implementation of this registry. I would also like to thank and congratulate all the participants who have contributed to PORP, making it a valuable resource for improving paediatric orthopaedic care in Pakistan. We look forward to the continued growth and success of this registry.

Sincerely,

Prof. Dr. Syed Shahid Noor Chairman, Registry Committee, HealthRAB

Message



It is with great honour that I present you the 2nd Annual Report of the Pediatric Orthopedic Registry Pakistan (PORP). This report highlights the significant made by the Paediatric Orthopaedic Society Pakistan (POSP) and progress Research Advisory Board (HealthRAB) in establishing this registry. HealthRAB, a registered society, is a think tank of senior clinicians, researchers, and academicians committed to developing the health research ecosystem. HealthRAB has established several national disease registries, including the Cardiology, Orthopaedics, Gynaecology, and Diabetes registries. These registries have been instrumental in improving clinical care and developing evidence-based treatment protocols. Establishing national registries is crucial for identifying gaps in care, tracking outcomes, and ultimately improving patient outcomes. PORP is an important step forward for paediatric orthopaedic care in Pakistan and a model for other countries looking to establish similar registries. PORP plays a crucial role in systematically gathering and organizing information on paediatric musculoskeletal issues in a structured and scalable manner. This registry is an important resource for improving the quality of paediatric orthopaedic care in Pakistan. However, it is not just limited to Pakistan; I am positive that PORP will play a pivotal role in improving clinical care and developing evidence-based treatment protocols for paediatric orthopaedic conditions worldwide. A special thanks to Prof. Dr. Anisuddin Bhatti, without his support and leadership, this project would not have been possible. I would like to commend the POSP and HealthRAB teams for their dedication and hard work in establishing the PORP. Their efforts have resulted in an invaluable resource for improving the quality of paediatric orthopaedic care in Pakistan.

Sincerely,
Prof. Dr. Zakiuddin Ahmed
General Secretary, HealthRAB

Message



I am thankful to Prof. Anisuddin Bhatti to have bestowed on me the honour of writing a message for the Paediatric Orthopaedic Registry of Pakistan. This is such an important moment in the history of Pakistan when this registry reaches its first 1000 patient enrolment.

The primary purpose of a disease registry is to collect diagnostic details on patients with specific disease or condition. We, the Medical community of Pakistan are blessed, that with the vision and leadership of our leaders, there are now many Disease Registries in Pakistan, such as a) Pakistan National Joint Registry, b) Diabetes Registry of Pakistan, c) Cardiac Registry of Pakistan, d) Stroke Registry of Pakistan, e) Spine Tango Registry of Pakistan, f) Hip Fracture Registry of Pakistan to mention a few.

The Primary purpose of the Paediatric Orthopaedic Registry of Pakistan is to collect data on the incidence of Congenital and Developmental conditions in children.

The First section includes information about Developmental Dysplasia of Hip, which captures quite detailed information about the disease and its treatment and long term outcomes. The second section includes information about Idiopathic Clubfoot and is directly linked to the International Clubfoot Registry at the University of Iowa. The Third section Includes a snapshot of all the other common and not so common Congenital and Developmental Diseases of childhood.

The importance of having Disease Registries cannot be understated. They help us in describing the natural history and phenotypic diversity of diseases. They help improve case definition and indication to treat, as well as identifying strategies for risk stratification and early prediction of disease severity. They also help in evaluating the impact of preventive, diagnostic, and therapeutic strategies on individual health, health economics, and the society, and informing guideline development and policy makers.

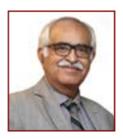
As a member of the team who has worked on development and getting this project off the ground, I am thankful to Almighty Allah to have given us the strength and the guidance necessary to have achieved our goals. I sincerely hope that this Registry achieves all of the objectives it set out to meet, and for it to prosper and serve its purpose of helping in Preventive, Diagnostic and Therapeutic Strategies as well as helping with Health, Health economics and Society. The importance of Registries in developing guidelines and policy decisions at a national level is the ultimate desire of such a Registry, and I sincerely hope that we achieve this aim in the long term.

In the end, I would like to congratulate Prof. Anisuddin Bhatti and the whole team on this wonderful achievement.

Sincerely,
Prof. Dr. Muhammad Amin Chinoy
Secretary General, POSP



Prof. Dr. Anisduddin Bhatti
Founding Director, PORP



Prof. Dr. Zakiuddin Ahmed
General Secretary, HealthRAB



Ms. Marium Soomro Coordinator, PORP Manager, HealthRAB



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Introduction to PORP

The Paediatric Orthopaedic Society Pakistan (POSP) initiated a pilot project in November 2019 in Collaboration with Health Research Advisory Board (HealthRAB) to establish the "Paediatric Orthopaedic Registry Pakistan" (PORP).

The objective of this pilot project was to systematically gather and organize information on paediatric musculoskeletal (MSK) issues in a structured and scalable manner. The PORP serves as the primary registry for POSP and will initially focus on three common congenital/developmental MSK issues, namely DDH, Perthes and Paediatric Fractures. The registry will expand to include other MSK issues after a year or two.

This PORP shall be owned by POSP in collaboration with HealthRAB. PORP is supported by an unrestricted research grant by PharmEvo.

To ensure the smooth functioning of PORP, a steering committee and core group have been established with the responsibility of supervising the PORP operations in accordance with the agreed terms of reference.

Aims & Objectives

- To collect, enter & retrieve data of Paediatric MSK problems, procedures carried out in order to establish data base.
- Data that can be used to improve the quality of care prevent disabilities developing among deformities.
- Data to provides actionable information to guide PORP user, for decision-making and research with overall benefit to the patients care & Disability prevention.
 Data that shall be strictly Password protected.
- Cumulative data retrievable by the user in CVS / PDF format for their study & research.
- The PORP may publish cumulative general demographic data for a scientific evidence, that to improve health policy.

Steering Committee

S. No	Steering Committee Members	Role
1	Dr. Anisuddin Bhatti	Director
2	Dr. Zakiuddin Ahmed	Secretary
3	Dr. Mohammad Amin Chinoy	Member
4	Dr. Syed Shahid Noor	Member
5	Dr. Sikander Hayat	Member
6	Dr. Mehtab Ahmed Pirwani	Member
7	Dr. Javed Iqbal	Member
8	Dr. Atiq uz Zaman	Member
9	Dr. Rana Dilawez Nadeem	Member
10	Dr. Nusrat Rasheed	Member
11	Dr. Saeed Ahmed	Member
12	Dr. M. Aslam Baloch	Member
13	Ms. Marium Soomro	Coordinator

Core Committee

S. No	Core Committee Members	Role
1	Dr. Anisuddin Bhatti	Director
2	Dr. Zakiuddin Ahmed	Secretary
3	Dr. Mehtab Ahmed Pirwani	Member
4	Dr. Rana Dilawez Nadeem	Member
5	Dr. Mohammad Amin Chinoy	Member
6	Dr. Saeed Ahmed	Member
7	Dr. Nusrat Rasheed	Member
8	Ms. Marium Soomro	Coordinator

Participating Institutions by Province

Province	City	Participating Institutions		
		Bolan Medical Complex Hospital		
Balochistan	Quetta	Sheikh Khalifa Bin Zahid Medical Complex		
		Tariq Hospital		
	D. I.	Khyber Teaching Hospital		
KPK	Peshawar	Prime Teaching Hospital		
	Faisalabad	Children's Hospital		
	Lahore	Ghurki Trust Teaching Hospital		
Punjab	Mallana	Nishtar Medical College & Hospital		
	Multan	Rehman Medical Center		
	Rawalpindi	Benazir Bhutto Hospital		
		Ankleseria Hospital		
		Bantva Hospital		
		Charania Hospital		
		Civil Hospital		
		Health Care Hospital		
		Jinnah Postgraduate Medical Center		
		Kutiyana Memon Hospital		
		Liaquat National Hospital		
	Karachi	Mehran Medical Centre		
		National Institute of Child Health		
Sindh		National Medical Center		
		Neurospinal & Cancer Care Institute		
		OMI Hospital		
		Saifee Hospital		
		The Indus Hospital and Health Network		
		Ziauddin Hospital, Clifton Campus		
	Larkana	Shaheed Mohtarma Benazir Bhutto Medical University		
		Bhatti Hospital		
	Sukkur	Civil Hospital		

 $\mathbf{2}$

Registered Participants

S. No	Names
1	Dr. Adeel Ahmed Siddiqui
2	Dr. Anisuddin Bhatti
3	Dr. Asif Peracha
4	Dr. Atiq uz Zaman
5	Dr. Ayesha Saeed
6	Dr. Badruddin Sahito
7	Dr. Jagdesh Kumar
8	Dr. Javed Iqbal
9	Dr. M. Aslam Baloch
10	Dr. Malik Waseem Ahmed
11	Dr. Mehtab Ahmed Pirwani
12	Dr. Mohammad Amin Chinoy
13	Dr. Muhammad Jamil
14	Dr. Mansoor Ali Khan
15	Dr. Muhammad Badar uddin Zafir
16	Dr. Nadeem Baloch
17	Dr. Nusrat Rasheed
18	Dr. Pervez Ali
19	Dr. Rana Dilawez Nadeem
20	Dr. Saeed Ahmed Jadoon
21	Dr. Salik Kashif
22	Dr. Sikander Hayat
23	Dr. Syed Shahid Noor
24	Dr. Umair Nadeem
25	Dr. Zaki Idrees
26	Dr. Zamir Ahmed Soomro

Contributors

S. No	Names
1	Dr. Amin Chinoy
2	Dr. Anisuddin Bhatti
3	Dr. Asif Paracha
4	Dr. M. Aslam Baloch
5	Dr. Atiq Uz Zaman
6	Dr. Ayesha Saeed
7	Dr. Javed Iqbal
8	Dr. Muhammad Jamil
9	Dr. Mansoor Ali Khan
10	Dr. Muhammad Badar uddin Zafir
11	Dr. Pervez Ali
12	Dr. Saeed Ahmad Jadoon
13	Dr. Umair Nadeem
14	Dr. Zamir Ahmed Soomro

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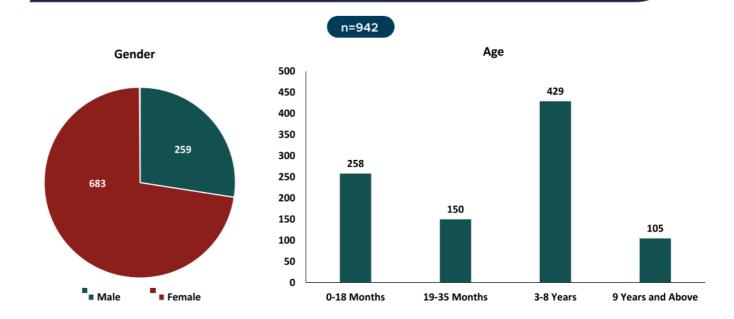
Data Report

2023 - 2024

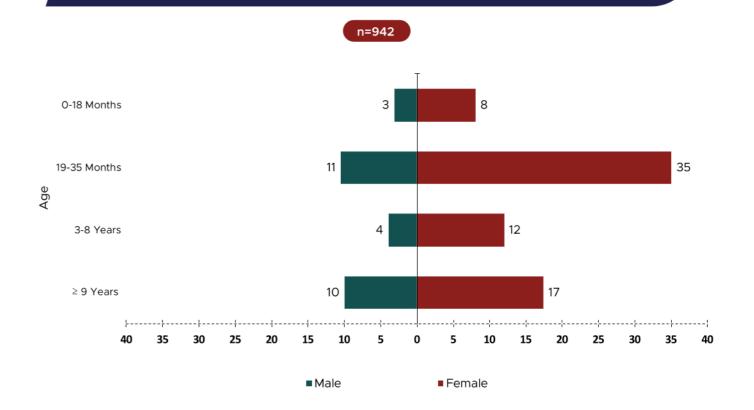
Number of Enrolled Cases: 942

Baseline

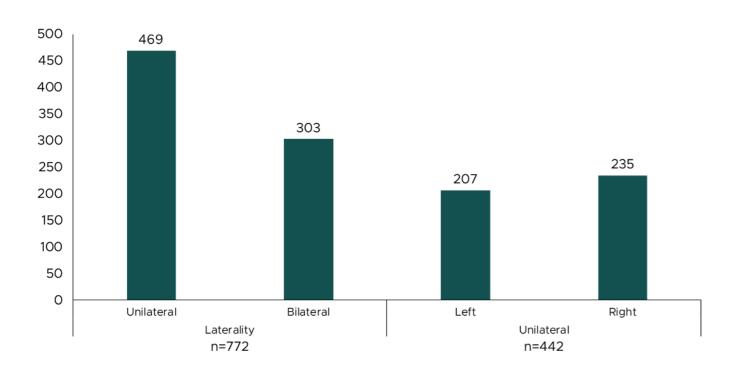
Age & Gender Of Respondents



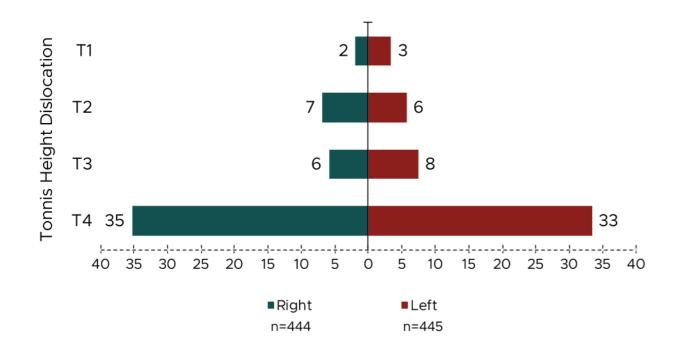
Age & Gender Correlation (%)



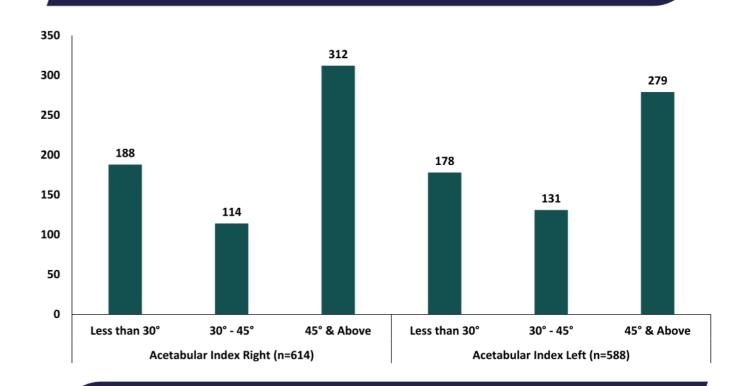
Laterality: Unilateral & Bilateral



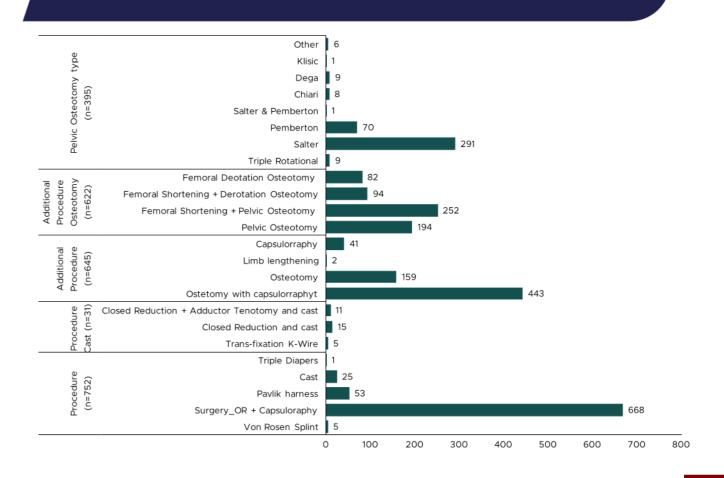
Tonnis Height Dislocation (%)



Acetabular Index



Procedures Performed

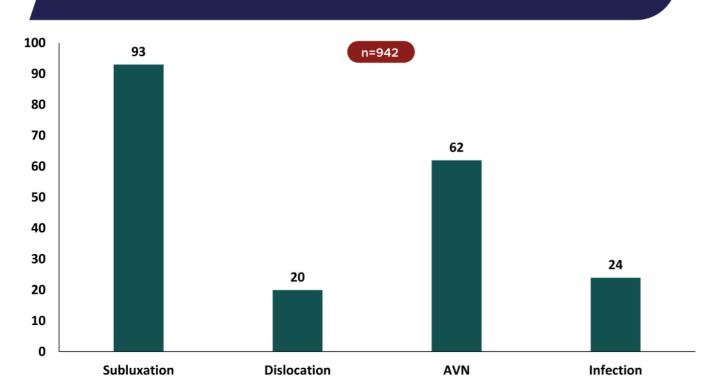


8 _____ 9

Follow-Up

Follow-Up Duration	N (%)
<1 Year	827 (94)
1-3 Years	26 (3)
4-8 Years	17 (2)
> 8 Years	6 (1)
Total	876 (93%)

Types of Complications



Single complication: 174 cases Multiple complications: 25 cases

Case Report Forms

Disease Index Form

)	aediatric C	Orthopae	dic R	egist	ry Pakistan (F	PORP)	
A.	Demographic Data	W.		110	11		93	
1	Registration/MR No	-		2	Visit D			
3	Consent: Informed consent taken from parents/ guardian for registry, photographs and publication	□ Yes □ No		4	Patier	nt Name		
5	Father Name			6	DOB			
7	Age		□ Week □ Month □ Year	8	Gende	er er	□ Male □ Female	
	Province	Sindh Punjab Balochistan Khyber Pakl Gilgit Baltist Azad Kashn	htunkhwa tan	10	City	Karachi Hyderabad Sukkur Larkana Nawabshah Mirpurkhas Shaikapur Jacobabad Khairpur Lahore Faislabad Islamabad Rawalpindi Gujranwala Multan Bhawalpur Sargodha Sialkot Rahim Yar Khan Quetta Hub Sui Der Allah Yar Chaman Gwadar		
	Hospital	_		12	-	***************************************		
	Contact # 2			_		t's NIC#		
~	Email ID			16	Assess	sment done by	L	
В.	Disease Index: Group	-		-	1.			
1	Club Foot	□ Yes □ No		2	Develo	opment Dysplastic (DH)	☐ Yes ☐ No	
c.	Disease Index: Group							
1	Perthes	☐ Yes ☐ No		2	Pedial	tric Fractures	☐ Upper limb long bones ☐ Lower limb long bones	
3	Epiphyseal Injuries	Shoul Elbow Wrist	,	4	Pediat Disloc	tric Trauma ation	□ Shoulder □ Elbow □ Hip	

Disease Index Form

1	5				Health Researc Advisory Board
4		Hip-Delbet type Knee Ankle Talus			Charleston
	Slipped Capital Femoral Epiphysis(SCFE/SUFE)	Yes No	6	Coxa Vara	☐ Congenital ☐ Developmental
0.00	Proximal Focal Femoral deficiency (PFFD)	☐ Yes ☐ No	9	Congenital Pseudo- Arthrosis (CPT)	□ Tibia □ Femur
0	Congenital Knee Dislocation (CDK)	☐ Hyperextension☐ Flexion	11	Hemimelia	□ Tibla □ Femur
2	Pes Plano Valugus	☐ Flexus ☐ Rigidus	13	Pes Plano Valugus_Rigidus	☐ Vertical talus ☐ Tarsal coalition
4	Arthrogryposis Multiplex Congenita	□ Yes □ No	15	Torticollis	☐ Congenital ☐ Developmental
6	Radial Club Hand	☐ Yes ☐ No	17	Osteogenesis Imperfecta (OGIP)	☐ Yes ☐ No
8	Rickets/Osteomalacia	☐ Yes ☐ No	19	Genu Valgus	□ Yes □ No
0	Genu Varus	□ Yes □ No	21	Scoliosis	□ Yes □ No
	Other	□ Yes	23	Other, please specify	
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			
2	Other	□ No			

DDH Baseline Form

Average time to enter baseline data: 2 mins



Health Research Advisory Board

Paediatric Orthopaedic Registry Pakistan (PORP) DDH-Baseline Form

A.	Demographic	Data												
1	Registration/M							2	Visit	Date	-	7		
3	Consent: Inform	med consent tak	en from pa	rents/g	uardia	n for reg	istry, photograp	phs a	nd pub	licatio	n	□ Yes □ No		
4	Patient Name					5	Father Name							
6	DOB		7	Age			☐ Week ☐ Month ☐ Year	8	Gend	ler		□ Male □ Female		
9	Province	Sindh Punjab Balochistan Khyber Pak		10	10 City		□ Karachi □ Hyderabad □ Sukkur □ Larkana □ Nawabshah □ Mirpurkhas □ Shaikapur □ Jacobabad □ Khairpur □ Lahore □ Faislabad □ Islamabad		Gu Mu Bh. Sar Sia Ral Qu Hu Sui De	him Ya etta b	ir r Khan	Gwadar Peshawar Abbottabad Mardan Nowshera Dera Ismail Khan Other:		
11	Hospital			12	Con	tact # 1			13		act # 2			
14	Parent's NIC			15	Emai	il ID			16	Asse	ssment			
17	Born at	☐ Hospital ☐ Home		18	Deliv		□ Vertex □ Breech		19	MSK scree done	ening	□ Yes □ No		
20	MSK deformity/ dislocation noticed at	Birth 6 months 12 months 18 months 24 months More than	24 months	21	0.000	ciated ermities	Cleft palate Cleft lip Club foot Knee disloction Other		22	DDH, MSK cong	ry of / Other	□ Yes □ No		
23	Medications do pregnancy	Medications during				24	Which medical		s					
В.	DDH Characte	eristics	3			7/2 17				1				
1	Laterality	□ Unilater □ Bilatera				nilateral ilateral		2	Unilateral				Right Left	
3	Tonnis Height Right	Dislocation	□ T1 □ T2 □ T3 □ T4			4	Tonnis Height Left	Dist	ocation	1	T1 T2 T3			
5	Acetabular Ind	ex Right	☐ Less th			6	Acetabular In	dex l	eft		Less th 30° - 45 45° and			

DDH Baseline Form

7	Double Acetabulum	□ Yes □ No	8	Previous treatment received	□ Yes □ No
8	Previous treatment received if yes	Pavlik Harness Von Rosen Splint Triple Diapers Cast Surgery	9	Previous treratment Surgery	OR + Capsuloraphy OR + Pelvic Osteotomy OR + Femoral Shortening Pelvic Osteotomy OR + Femoral shortening
10	Post operative wound infection	☐ Yes ☐ No	11	Post operative wound infection type	☐ Superficial ☐ Deep
12	Post operative stiffness	☐ Mild ☐ Moderate ☐ Gross ☐ Ankylosis	13	Post operative subluxation	Yes No
14	Post operative dislocation	□ Yes □ No	15	Post operative Avascular Necrosis	☐ Yes ☐ No
C.	Current Procedure Performe	A CONTRACTOR OF THE PARTY OF TH	-		
1	Surgeon		2	Assistant	·
3	Date		4	Procedure	Pavlik harness Von Rosen Splint Triple Diapers Cast Surgery_OR + Capsuloraphy
5	Procedure Cast	Closed Reduction and cast Closed Reduction + Adductor Tenotomy and cast Trans-fixation K-Wire	6	Procedure Surgery OR + Capsuloraphy Approach	Smith Petersen Bikini Medial Other
7	Additional Procedure	Osteotomy Ostetomy with capsulorraphy Capsulorraphy	8	Additional Procedure Osteotomy	Femoral Deotation Osteotomy Pelvic Osteotomy Femoral Shortening + Pelvic Osteotomy Femoral Shortening + Derotation Osteotomy
9	Pelvic Osteotomy type	Salter Pemberton Dega San Diego Chiari Triple Rotational Other	10		

DDH Follow-up Form

Average time to enter follow-up data: 1 min



Health Research Advisory Board

Paediatric Orthopaedic Registry Pakistan (PORP) DDH-Follow-Up Form

A.	Demographic Data				
1	MR No		2	Follow up Visit Date	
3	Patient Name		4	Father Name	
5	Hospital		6	Follow-up duration	2 weeks 3 weeks 4 weeks 6 weeks 8 weeks 12 weeks More than 16 weeks
7	Visit recorded by (Dr name)				
В.	Observations/ Procedures		2800.0		
1	Brace compliance	Good Fair Poor	2	Brace weaning	□ Yes □ No
3	Brace weaning duration	4 weeks 6 weeks 8 weeks More than 8 weeks	4	Post brace discontinuation outcome	Retained Subluxated Dislocated Femoral nerve palsy AVN
5	Post operative status	□ Febrile □ Pain	6	Wound inspection (within 2 weeks)	☐ Yes ☐ No
7	Wound inspection side	Right Left Both sides	8	Wound type	Dry Superficial infection Dehiscence Deep seated infection
8	Spica cast	☐ No cast ☐ Discontinued ☐ Changed ☐ Repaired	9	Spica cast changed	2 weeks 4 weeks 6 weeks 8 weeks More than 12 weeks
10	Spica cast repaired	☐ 2 weeks ☐ 4 weeks Spica cast repaired ☐ 6 weeks ☐ 8 weeks ☐ More than 12 weeks	Spica cast discontinuation	2 weeks 4 weeks 6 weeks 8 weeks More than 12 weeks	
12	Spica cast discontinuation reason	Age Infection Completion Subluxation Dislocation	46-58		
C.	Clinical Outcomes				
1	Clinical outcomes Mackay's clinical evaluation	☐ Good (Stable painless hip	ip, Slig , Posit	Negative trendelenburg , tht limb, Slight decreased ive trendelenburg , Limited p, Positive trendelenburg)	ROM)
2	Bhatti functional scoring system	☐ Excellent ☐ Good		□ Fair □ Poor	

DDH Follow-up Form

-							Health Resear Adviso Board
D.	Contained Hip						
	Contained hip (Intact	Right Left					T. Marche
1	shenton line, Tonnis height {T1, T2}, Acetabular index <30*)	□ Yes □ No	□ Yes □ No	2	Contained Hip duration		☐ Weeks ☐ Months ☐ Years
E.	Radiological outcomes				241		
1	Radiological outcomes	Class I Class II Class III Class IV Class V Class V		2	Class I: Normal	Class la Class lb	
3	Class la	CE >19* (6-13 years) CE >25* (14 & above years age)		4	Class Ib	☐ CE >15"-19" (6-13 years) ☐ CE >20"-25" (14 & above year age)	
5	Class II: Moderate deformity of head, femoral neck or Acetabulum	Class la Class lb		6	Class IIa	☐ CE >19" (6-13 years) ☐ CE >25" (14 & above years ag	
7	Class IIb	CE >15"-19" (6-13 years) CE >20"-25" (14 & above years age)		8	Class III: Dysplasia without Subluxation	© CE <15" (6-13 years) © CE < 20" (14 & above years age)	
9	Class IV	CE+/- 0" (Moderate Subluxation) CE < 0" (Severe Subluxation)		10	Class V: Femoral head articulates with pseudo acetabulum	□ Yes □ No	
11	Class VI: Resdislocation	□ Yes					
	Complications	□ No					
	Complications						□ Weeks
1	Complications seen	□ Yes □ No		2	Complication seen at		☐ Months ☐ Years
3	Subluxation	☐ Right ☐ Left ☐ Both side	s	4	Dislocation	☐ Right ☐ Left ☐ Both sides	
5	AVN	☐ Right ☐ Left ☐ Both side	s	6	Infection (Deep)	☐ Right ☐ Left ☐ Both sides	
7	Stiffness	□ Yes □ No		8	Ankylosis	☐ Yes ☐ No	
9	Shortening/Lengthening (in cms)	□ Yes □ No		10	Premature Capital Physeal Fusion	□ Yes □ No	
11	Neuro Deficit	□ Yes □ No		12	Neuro Deficit Type	☐ Femoral nerve ☐ Sciatic nerve	
G.	Post Complication Treatmen			Page 1	The second secon	Sciauc nerv	
1	Treatment given	□ Conservat □ Redo surg		2	Conservative treatment	Abduction splint Reassurance and mobilization	
2	Redo Surgery	OR + Cap	suloraphy vic Osteotomy	3	Pelvic Osteotomy type	Salter Pemberton Dega	

DDH Follow-up Form

					Health Researc Advisory Board		
		OR + Femoral Shortening + Pelvic Osteotomy OR + Femoral shortening			San Diego Chlari Other		
H.	Redo Treatment Outcomes		40 10		101		
1	Mackay's clinical score	Excellent (Stable painless hip, Negative trendelenburg ,Full ROM Good (Stable painless hip, Slight limb, Slight decreased ROM) Fair (Stable painless hip, Positive trendelenburg , Limited ROM or a complication) Poor (Unstable hip, Painful hip, Positive trendelenburg)					
2	Bhatti functional scoring system	Excellent Good Fair Poor	3	Severin's Score			
3	Contained	□ Yes □ No	4	Subluxated	□ Yes □ No		
5	Infection	☐ Yes ☐ No	6	Infection type	Superficial Deep		
7	Stiffness	☐ Mild ☐ Moderate ☐ Gross	8	AVN type	Salter II Salter III		
١.	Photograph			union man	01		
1	Upload Photograph	□ Yes □ No	2	Preoperative Anteroposterior			
3	Preoperative Lateral		3	Postoperative Anteroposterior			
4	Postoperative Lateral			***	in .		
5	Remarks						

Stakeholders

Paediatric Orthopaedic Society Pakistan

Paediatric Orthopedic Society of Pakistan (POSP), is a registered non-profit Society (KAR NO. 053 of 2019-20 under Societies Act XXI of 1860) of Paediatric Orthopedic Surgeons of Pakistan, who are committed to providing quality care for children with musculoskeletal deformities through research, education, training, and advocacy.



Aims & Objectives

- To encourage, cultivate, propagate and popularize science of pediatric Orthopedics
- The advancement of pediatric orthopaedic surgery in pakistan.
- The enhancement of care for children with musculoskeletal problems.
- To develop and encourage the teaching, research and education of pediatric orthopedics.
- To train professional across of country by providing opportunities & learn the latest evidence based scientific knowledge in the field of pediatric orthopedics by conducting annual/biennial conference, symposia, course, workshops & continuing educational program.

Stakeholders

Health Research Advisory Board

Health Research Advisory Board (HealthRAB) a registered society. It is a "think tank" of senior clinicians, researchers & academicians who are committed to the mission of HealthRAB which is to "Developing Health Research Ecosystem"



Vision:

Improving health globally by developing a relevant & efficient research ecosystem

Leadership:



Chairman Prof. Dr. Abdul Gaffar Billoo

Professor Emeritus, Department of Paediatrics and Child Care. Aga Khan University Hospital Chairman, HANDS

Vice Chairman Prof. Dr. Abdul Basit

Director, Baqai Institute of Diabetology and Endocrinology Professor of Medicine, Baqai Medical University



General Secretary Dr. Zakiuddin Ahmed Adjunct Professor, Digital Health, HSA Project Director, Riphah Institute of Healthcare Improvement & Safety (RIHIS)

CEO, Digital Care

Finance Secretary Prof. Dr. Syed Shahid Noor

HoD, Orthopaedic Surgery, Liaquat National Hospital President, Pakistan Arthroplasty Society



Projects:

National Disease Registries

Research Funds

International Medical Research Conference (IMRC)

Research Webinars

National Health Research Award

Capacity Building Workshops

Student Chapters

National Research Policy Document

Research Reference Guide

www.healthrab.org

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PORP Meetings

PORP Review Meeting I 7 February 2024



Core Committee | 20 September 2022



Core Committee | 1 September 2022



PORP 1st Annual Report Launch I 6 May 2023



Core Committee | 1 September 2022



PORP Meetings



Core Committee | 24 March 2021



Steering Committee | 15 June 2020



Core Committee | 1 January 2020



Steering Committee | 18 August 2020



Core Committee | 12 March 2020



Core Committee | 26 November 2019

Acknowledgements







Born with Deformity! Why to live with Disability

Prof. Dr. Anisuddin Bhatti