Effective Critical and Membrane Collision with the help of 3-Dimensionwith the several Interosseous Variation.

Dr. Jyothi A P Assistant Professor, Dept. of CSE Faculty of Engineering and Technology M S Ramaiah University of Applied Sciences Bangalore, Karnataka, India jyothiarcotprashant@gmail.com Pavan T

Student, Dept. of CSE Faculty of Engineering and Technology M S Ramaiah University of Applied Sciences Bangalore, Karnataka, India pavant6585@gmail.com

Himadri Nath Student, Dept. of CSE Faculty of Engineering and Technology M S Ramaiah University of Applied Sciences Bangalore, Karnataka, India himadrinath.4455@gmail.com

ABSTRACT

Day to day our life style is changes so our body membrane is effected by several other environment factor and unhealthy life style .We are definitely unclear how our body interosseous membrane effected day by day .The main purpose of this research is to identify What are the factor are heavily responsible to creating the problem in foream deficit .We are using 3d several simulation in kinematic which is actively detect in several deformities which should be in 5 degrees in4 directions .To analysis the external critical bone collision we mustbe effectively analysis some other factor like how our body bone collision occur.This type of bone collision generally increase in several factor example external variation of the whole body IOM which is generally consider in 6 parts which is generally detect 32 external type of foream deformities .This 6 parts also increase supination in IOM with nearly unchanged bone collision .This type of ligament and bone relatedresearch.

Keywords-Artificial intelligence(AI); Bonecollision; simulation; foreamdeficit.

I. INTRODUCTION

Patients with effected by several bone related disorder one of the bone related disorder is mal united fractures which is generally define that how our body generally create with several body parts extreme pain. One of the well-established effective and critical surgical and advance 3D analysis which is generally effectively based on the several opposite side of the body generally this trend is followed by patient-specific corrective osteotomy which is the advance and effective bone related treatment of choice in our institution . However, when the opposite side generally presents already a several deformity or an unclear preexistent lack of motion, the corrective osteotomy cannot be based on this side. Furthermore, among the few other effective reported generally describe how critical patient cohorts, some patients may present only a effective partial gain of the ROM 3 4 5 6. Our clinical experience of research in operating room also critically showed occasionally a tension of the soft tissues after the osteotomy, which required intra operatively effective and partial IOM. The purpose of the research main idea is detect critically analysis bone related disease which is generally give us idea of linear lengthening of the IOM .

II. LITRATURE

A. Simulation of pronation/supination

How a straight line pass through cylinder ulnar torchlea it will be generally decide humero-ulnar joint. This is generally critically projected radio-ulnar joint.we should critically analyse how rotation of manual adjustment works which is generally performed one single investor and it should maintain a stable distance which is basically based on ROM maintain.

This type of supination generally describe 90° several critical parallelism which is generally describe palmar ridge of the distal radious.

B. Simulation of bone deformities

We should critically analyse humreo –ulnar joint which is distally transposed on the radious and ulna which is generally showing percentage of 66.6% of the total bone length which is critically describe several coordinate axis this will effectively define a several critical rotation axis for the another critical deformities.

How radioulnar motion works the distal part of several bone narrow which is generally describe several overlapping of the 3d surface which is critically analysis native and deformed radious couldbe reached and until several overlapping. this critical reposition was performed each critical deformity allowed external various other models to fit on the same several other rotational axis.

For more clinical research which is generally describe several critical combination of deformities which is critically observe atleast on the same level. In only two planes and oriented observation of same direction.

C. Insertion of interosseus membrane

This type of external membrane generally simulated distal end of the central band which is critically observe several other oblique accessory cord ,proximal oblique cord .The insertations along the several critical axis of the radious generally this is define other effective radious of ulnar length .This type of critical insertions effectively use in several other factors which is critically observe radial rest of ulna. This type of critical research generally observe how interosseous membrane measured several other things this is generally analyseseven foream positions of all bone deformities.

II. Research analysis

Author Name	Effective method	Criticism
Johnell O, Kanis	Osteoporosis as judged by hip	Hip fracture in
JA.	fracture	different region is
		not critically
		observe
Lakstein D,	Visualized in demographic	Fracture are not
Hendel D,	fracture in hip	properly

	fracture colleres	nnon anly avalain
	fracture collapse .	properly explain.
Johnston RC,	Properly explain how	How trochanter
Brand RA,	mechanical hip is substantially	reduces hip joint
Crowninshield	altered by a variety of	forces it is
RD.	disorders.	unclear.
Neumann DA.	Critically visualize role of the	Unclear reduction
	hip abductor muscles .	of myogenic hip
		joint forces
Bailey R, Selfe J,	Critically analyse evolution of	Unclear
Richards J.	the trendelenburg test	biomechanics of
		the trendelenburg
		test
Nherera L,	Critically visualize relative	This research
Trueman P,	effects of internal fixation of	there is a large
Horner A, Watson	strageties.	gap in blood loss
T, Johnstone AJ.		and fluoroscopy
-,		usage.
Koval KJ.	Critically explain lag screw	This research
	sliding and resultant limb	fracture can settle
	deformity.	only until the
		proximal
		fragment abuts
		against the nail.
Hesse B, Gächter	Properly explain trochanteric	Unclear
A.	fractures with gamma nails.	trochanter fracter.
Rosen M, Kasik	Properly explain laterial hip	Surgical
C, Swords M.	pain from proximal locking	operation pre-
C, SWOLUS IVI.	device insertation.	
		operative weight
		bearing status is unclear.
Varial VI Fring 1	Lutarral Einstien - 6th - 6-m - 1	
Koval KJ, Friend	Internal Fixation of the femoral	Rivision rate
KD, Aharonoff	neck from loss of fixation is	hemiarthroplasty
GB, Zuckerman	properly explain.	is unclear.
JD.		

Heikkinen T, Jalovaara P.	This research main purpose is acceptable in hip fracture surveys.	Due to high mortality and
		age-related Critical surveys. generally define that like bone collision and several other factor which is based on steady state i.e. "final result" is ever reached after hip fracture in the elderly.

II. CONCLUSION

External membrane generally simulated distal oblique, proximal and distal end of the central band which is critically observe several otheroblique accessory cord, proximal oblique cord. The insertations along the several critical axis of the radious and ulna were based on other effective radious of ulnar length.

III. RESULTS

Critically observe how bone fracture patient survive and there is significant amount of considerably short ofelderly controls of measurements which has been associate with increased fall risk .the important factor in critical minimizing of another maintaining independence after several observation in critical bone related issue.

REFERENCE

1. Johnell O, Kanis JA. An estimate of the worldwide prevalence, mortality and disability associated with hip fracture. Osteoporos Int.2004;15(11):897-902.

2. Lakstein D, Hendel D, Haimovich Y, Feldbrin Z. Changes in thepattern of fractures of the hip in patients 60 years of age and older between 2001 and 2010: a radiological review. Bone Joint J.2013;95-b(9):1250-1254.

3. Cooper C, Campion G, Melton LJ IIIrd. Hip fractures in the elderly:world-wide projection. Osteoporos Int. 1992;2(6):285-289.

4. Kammerlander C, Gosch M, Kammerlander-Knauer U, Luger TJ,Blauth M, Roth T. Long-term functional outcome in geriatric hip fracture patients. Arch Orthop Trauma Surg. 2011;131(10): 1435-1444.

5. Dyer SM, Crotty M, Fairhall N, et al. A critical review of the longterm disability outcomes following hip fracture. BMC Geriatr.2016;16(1):158.

6. Takahashi A, Naruse H, Kitade I, et al. Functional outcomes aftertreatment of hip fracture. PLoS One. 2020;15(7):e0236652.

7. Adeyemi A, Delhougne G. Incidence and economic burden of intertrochanteric fracture: a Medicare claims database analysis.

8. Gilat R, Lubovsky O, Atoun E, Debi R, Cohen O, Weil YA. Proxfemoral shortening after cephalomedullary nail insertion for inter- trochanteric fractures. J Orthop Trauma. 2017;31(6):311-315.

9. Ciufo DJ, Ketz JP. Proximal femoral shortening and varus collapseafter fixation of "stable" pertrochanteric femur fractures. JOrthopTrauma. 2021;35(2):87-91.

10. Zlowodzki M, Brink O, Switzer J, et al. The effect of shortening andvarus collapse of the femoral neck on function after fixation of intracapsular fracture of the hip. J Bone Joint Surg Br. 2008;90-B(11):1487-1494.

11. Gausden EB, Sin D, Levack AE, et al. Gait analysis afterintertrochanteric hip fracture: does shortening result in gait impairment. J Orthop Trauma. 2018;32(11):554-558.

12. Johnston RC, Brand RA, Crowninshield RD. Reconstruction of the hip. A mathematical approach to determine optimum geometric

relationships. J Bone Joint Surg Am. 1979;61(5):639-652.

13. Neumann DA. Biomechanical analysis of selected principles of hipjoint protection. Arthritis Care Res. 1989;2(4):146-155.

14. Bailey R, Selfe J, Richards J. The role of the Trendelenburg Testin the examination of gait. Phys Ther Rev. 2009;14(3):190-197.

15. Nherera L, Trueman P, Horner A, Watson T, Johnstone AJ. Comparisonof a twin interlocking derotation and compression screwcephalomedul-

lary nail (InterTAN) with a single screw derotation cephalomedullarynail(proximal femoral nail antirotation): a systematic review and meta-analysis for intertrochanteric fractures. J Orthop Surg Res. 2018;13(1):46.

16. Koval KJ. Intramedullary nailing of proximal femur fractures. AmJ Orthop. 2007;36(4 Suppl):S4-S7.

17. Hesse B, Gächter A. Complications following the treatment of trochanteric fractures with the gamma nail. Arch Orthop Trauma Surg.2004;124(10):692-698.

18. Rosen M, Kasik C, Swords M. Management of lateral thigh pain following cephalomedullary nail: a technical note. Spartan Med Res J.2020;5(1):12931.

19. Koval KJ, Friend KD, Aharonoff GB, Zuckerman JD. Weight bearingafter hip fracture: a prospective series of 596 geriatric hipfracturepatients. J Orthop Trauma. 1996;10(8):526-530.

20. Anglen JO, Weinstein JN, American Board of Orthopaedic SurgeryResearch Committee. Nail or plate fixation of intertrochanteric hip fractures: changing pattern of practice. A review of the American Board of Orthopaedic Surgery Database. J Bone Joint Surg Am. 2008;90(4):700-707.