

## EASIER REMOVAL OF CIRUMFERENTIAL/TENSION BAND WIRE WITH2.0 TECHNICALITY- a case report.

### Learning Point of the Article

**Commented [JOCR1]:** Provide the Learning point of the article in one line.

### ABSTRACT

**Commented [JOCR2]:** Write Abstract into sections namely Introduction, Material & Method, Discussion, Result, Conclusion and Keywords (Min.3)

**Background/Introduction:** ACL and meniscus injuries are common in active individuals. This study evaluates the outcomes of arthroscopic ACL reconstruction with simultaneous meniscus repair.

**Materials and Methods/Literature Review:** A prospective study of 14 patients undergoing ACL reconstruction with meniscus repair was conducted.

**Results:** All 14 patients had poor pre-operative Lysholm Scores (mean 25.2). At 6 months, 71.4% achieved excellent outcomes, with the mean score improving to 92 ( $P < 1.54 \times 10^{-17}$ ). Mean VAS scores decreased from 4 pre-operatively to 0.8 at 6 months ( $P < 1.98 \times 10^{-12}$ ).

**Conclusion:** Arthroscopic ACL reconstruction with meniscus repair provides excellent functional outcomes with minimal complications.

**Keywords (Min. 3):** Anterior cruciate ligament, meniscus repair, arthroscopy, lysholm score, Visual Analog Scale, clinical outcome.

### Main Text:

**Commented [J3]:** Write main text as per journal guidelines into five sections namely Introduction, Materials and Methods, Results, Discussion & conclusion.

### INTRODUCTION

Tension band wiring/circumferential wiring (by stainless steel) is extensively used technique in orthopaedics/ traumatology. In 1963 Weber and Vasey introduced tension band wiring for olecranon fracture which got accepted in widespread manner<sup>1</sup>. [1]. Wires are also used in cardiothoracic surgery in closure of median sternotomy as a figure of eight, or encirclement wires. Sometimes need of removal of circumferential/ tension band wire is arises, after they have

**Commented [SP4]:** Cite all reference numbers in the square bracket in the normal line [1].

served its purpose. On extensive review of literature in orthopaedics we could not come across. (Fig. 1)

## Material & Methods/ Literature Review

IEC number meaning: Institutional Ethics Committee Approval number.

Institutional Ethics Committee Approval

It is necessary for all research proposals on biomedical, social and behavioural science research for health involving human participants, their biological material and data to be reviewed and approved by an appropriately constituted EC to safeguard the dignity, rights, safety and well-being of all research.

How to write ethics approval and consent to participate?: This study was approved by the Ethics Committee of XXXX University (Ethics Code: XYZ123) on Month DD, YYYY. All participants provided written informed consent prior to enrolment in the study. This research was conducted ethically in accordance with the World Medical Association Declaration of Helsinki.

Example Statement: "This study involved the use of animal-derived materials. Ethical approval was obtained from the [Institutional Animal Care and Use Committee (IACUC)] at [University/Research Institute], with protocol number [XXXXXX]."

This method of removal of circumferential / tension band wire, is continually being used at our center. Until recently, in 138 patients at various setup, this maneuver has been practiced. All patients

## Discussion

Implant removal must not be conceded as a benign and easier procedure, it may born challenges. Sometime it takes more surgery time than implant insertion time. There are well known potential complications (

. So this technique can be used to avoid a lot of unexpected complications.

## RESULTS

It is a less time consuming, much less soft tissue insulting, easy going by leverage phenomenon, and well practiced. In only six cases (4.3%) complications occurred in the form of wire breakage which increased the surgical size and time. (Table 1)

## Conclusion

This so called gaur's technique of circumferential/tension band wire removal, has been used in 138 cases in last 32 years. All operations were done by authors and other trainees at the hospital.

**Commented [SP5]:** Mention the IEC number and approval date in methodology section if applicable to the article.

**Commented [J6]:** Cite all the figure and Table numbers in the main content.

**Commented [SP7]:** Write the references in chronological manner starting from [1].

**Commented [JOCR8]:** Write content for conclusion.

**Commented [SP9]:** Reference number citation is not allowed in the conclusion.

## Clinical Message:

**Commented [J10]:** Write content for Clinical Message after Conclusion.

## References

**Commented [SP11]:** Provide at least 10 references. (Min. 10 to Max. 30 References are allowed)

- 1- Weber BG, Vasey H. [Osteosynthesis in olecranon fractures.] Z Unfallmed Berufskr 1963,56:90-96.
- 2- Busman ML, Esther RJ, Obremkey WT. Hardware removal : Indication and expectations. J Am Acad Orthop Surg. 2006 Feb;14(2):11320.
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**Figures & Tables**

**Commented [SP12]:** Maximum 10 figures and Tables in total are accepted in the article. Out of 10 maximum 5 can be tables.

**FIGURES-**

**Commented [JOCR13]:** Please follow the format i.e Figure 1, Figure 2 ..... for numbering figures and figures should be along with Figure Legend.

Figure1: Prominence of Knot of Wire felt.



Figure 2: Minimal Incision over the knot.



Table 1: Comparison of the results of the two patients

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<b>Categories</b>	<b>Patient A</b>		<b>Patient B</b>	
<b>Follow Up (months)</b>	3		12	
<b>Pain (EVA; n/10)</b>				
- Pre-op	9			
- Post-op	1		3	
<b>Joint Ranges (degrees)</b>	<b>Pre-op</b>	<b>Post-op</b>	<b>Pre-op</b>	<b>Post-op</b>
- Flexion	20	40	40	70
- Extension	20	60	40	70
- Pronation		40		100
- Supination		80		60

<b>Quick Dash</b>		
- Pre-op	5 (7%)	49 (6%)
- Post-op	8 (1%)	32 (7%)

**SOURCE OF FINANCE-** None/abc

**CONSENT-** Consent of the patient has been taken that his photo and detail can be published in case report.

**COMPETING INTERESTS-** Authors declare that there is no any competing interest.

**ACKNOWLEDGEMENTS-** Nil/xyz