

# USE OF INFIX FOR MANAGING UNSTABLE ANTERIOR PELVIC RING INJURIES: A SYSTEMATIC REVIEW

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# INTRODUCTION

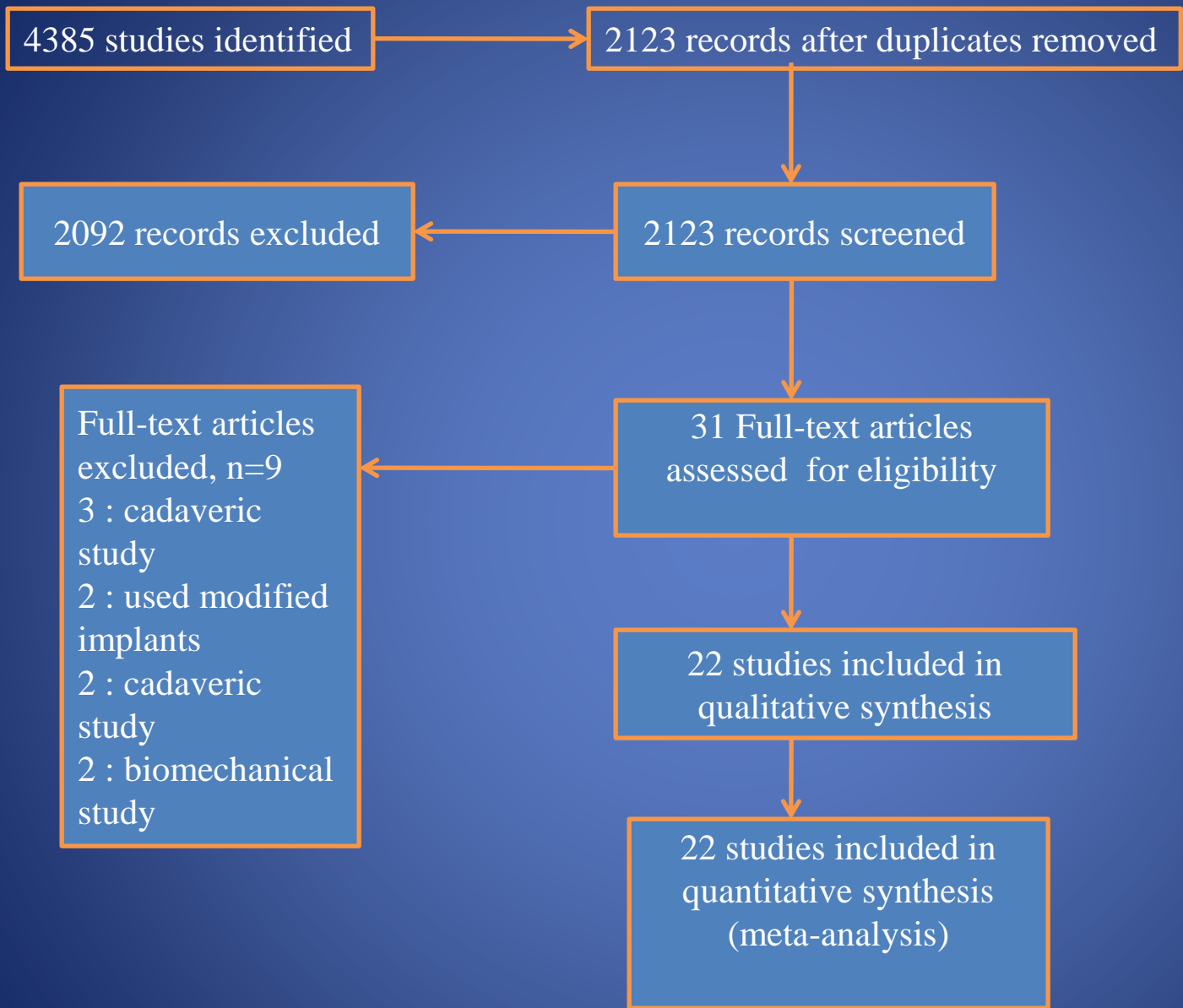
- Subcutaneous screw rod system which is popularly known as Pelvic internal fixator (INFIX) has emerged as an alternative to external fixators in management of unstable pelvic injuries.
- **ADVANTAGES:** Reduced infection rate and patient morbidity.
- **DISADVANTAGES:** Lateral femoral cutaneous nerve injury, Heterotopic ossification, Femoral nerve palsy etc.

# MATERIAL AND METHODS

- A comprehensive search of literature was performed based on PRISMA guidelines.
- **SEARCH ENGINE:** EMBASE, PubMed, MEDLINE, and Scopus was used to search for all studies in English language.

## INCLUSION CRITERIA:

- Studies in English language till March 2020.
- Clinical studies reporting use of INFIX technique in pelvis fracture where Clinical and radiological outcomes were reported.



# RESULTS

- Twenty-two studies were included in this systematic review with total of 619 patients.
- **RADIOLOGICAL OUTCOMES:** 87% patients had Excellent to Good radiological results.
- **FUNCTIONAL OUTCOMES:** 84% patients had Excellent to Good functional results.
- Complications include LFCN irritation (25.3%), Heterotopic ossification (24.7%), Infection (3%), and femoral nerve palsy (1.6%).

# CONCLUSION

- This systematic review confirms that INFIX is a reliable technique for anterior pelvic injury with excellent to good functional outcomes and limited complications.
- However, further high-quality comparative studies with long term follow up are needed to strengthen the evidence of this novel technique.