CASE REPORT

Delayed Presentation of Hand Compartment Syndrome After Intravenous Infiltration: A Case Report

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Abstract

Introduction: Hand compartment syndrome after intravenous infiltration is uncommon and may be difficult to recognise early.
Case presentation: We describe a 12-year-old boy who presented with hand compartment syndrome after intravenous infiltration. Diagnosis was confirmed by clinical examination and imaging, and the patient was treated surgically with a good outcome.
Conclusion: Early recognition and timely intervention are essential. *(Fictional case for template demonstration.)*
Keywords: compartment syndrome; hand; extravasation; fasciotomy; case report

Introduction

Hand compartment syndrome after intravenous infiltration is rarely reported in the literature1,2. We present a case to highlight the diagnostic challenges and management3.

Case Presentation

A 12-year-old boy presented to the emergency department of a fictional teaching hospital. Physical examination and laboratory tests were consistent with hand compartment syndrome after intravenous infiltration.

The patient underwent surgery on the day of admission. The postoperative course was uneventful, and the patient was discharged in good condition (Figure 1).



Discussion

Several mechanisms have been proposed for hand compartment syndrome after intravenous infiltration4,5. Our case supports the importance of a high index of suspicion and prompt treatment6.

Conclusion

Clinicians should be aware of this condition, as early management leads to better outcomes.

References

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