BRITISH ASSOCIATION
OF HAND THERAPISTS

Standards of hand therapy practice in the rehabilitation of surgically repaired finger extensor tendon injuries: zones III-IV

Endorsed by:

British Association of Hand Therapists

Devised by the Extensor Tendon Injuries Standards Working Group, 2022

Further information is available from: https://www.hand-therapy.co.uk

This BAHT Standard has been developed to compliment the respective BSSH Standard of Care in Hand Trauma. It is based on research and expert opinion.

Standards

1. Following surgery all patients should be referred to a specialist hand therapist or appropriately trained therapist with direct access to specialist support for assessment and formulation of a treatment plan. Access to accurate operative details is required.

2. There should be easy communication and rapid access to the Hand team/surgical team if the therapist has concerns at any point.

3. Following a robust repair the selected rehabilitation regimen should be initiated ideally between three to five days and before seven days.

4. A protective splint to maintain central slip integrity should be used for 6 weeks. This should be accompanied by regular protected active movement according to a recognised protocol and supplemented by clinical judgement. There should be some shared decision making between the patient and therapist in selecting the treatment regimen.

5. The MCP joint and DIP joint should be mobilised from the first appointment (unless there are any associated injuries).

6. Patients should be offered regular hand therapy appointments to ensure that the patient is managing the regimen i.e., correct splint wear; unaffected joint mobility; appropriate progression of movement; oedema management; and skin integrity.

7. Rehabilitation should be supported by verbal, written and/or electronic information.

8. After the initial immobilisation period and once central slip integrity has been established, movement should be progressed. The splint can be gradually withdrawn but some form of splint wear may be required for several weeks.

9. A set of outcome measures should be taken during therapy and upon discharge. This should include range of motion, strength and patient reported outcome measures (PROM).

10. In the absence of a satisfactory outcome, the patient should be referred back to a hand surgeon to discuss other treatment options.

Implementation of these standards should be used to guide and advise therapists in the clinical setting. However, it is recognised that care may be influenced by factors including access to hand therapy, injury as well as patient characteristics. Professional judgement, based on clinical reasoning, will strongly influence the management and outcome.

References

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