Supplementary File 1: Search Strategy
MEDLINE and MEDLINE In-Process and Cochrane Central Register of Controlled Trials (Central) (1946-December 15, 2017)

Retrieved Articles: 2904 (Medline and Medline In Process), 150 (Central)

Search strategy:
1. exp Encephalitis/
2. encephalit*.mp,kw.
3. encephalopath*.mp,kw.
4. brain inflammation*.mp,kw.
5. Rasmussen syndrome*
6. 1 or 2 or 3 or 4
7. Rehabilitation Nursing/
8. Rehabilitation Centers/
9. exp Rehabilitation/
10. ((physical or occupational or speech) adj therap*).mp,kw.
11. exp Physical Therapy Modalities/
12. rehab*.mp,kw.
13. rh.fs.
14. "Length of Stay"/
15. "Recovery of Function"/
16. Patient Discharge/
17. (function* adj2 (recovery* or outcome* or measure* or independen* or score*)).mp,kw.
18. discharge*.mp,kw.
19. 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
20. 6 and 19
21. limit 20 to English language
22. exp animals/ not (exp animals/ and exp humans/)
23. 21 not 22


Retrieved Articles: 9055

Search Strategy:
1. exp Encephalitis/
2. encephalit*.mp,kw.
3. encephalopath*.mp,kw.
4. rasmussen* syndrome.mp,kw.
5. brain inflammation*.mp,kw.
6. 1 or 2 or 3 or 4 or 5
7. Rehabilitation Nursing/
8. Rehabilitation Center/
9. exp Rehabilitation/
10. ((physical or speech or occupational) adj therap*).mp,kw.
11. physiotherap*.mp,kw.
12. exp physiotherapy/
13. rehab*.mp,kw.
14. "Length of Stay"/
15. convalescence/
16. hospital discharge/
17. (function* adj2 (recovery* or outcome* or measure* or independen* or score*)).mp,kw.
18. discharge*.mp,kw.
19. 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
20. 6 and 19
21. limit 20 to English language
22. exp animals/ or exp animal experimentation/ or nonhuman/) not ((exp animals/ or exp animal experimentation/ or nonhuman/) and exp human/)
23. 21 not 22

PsycINFO (1806-December 15, 2017)

Retrieved Articles: 551
Search Strategy:
1. exp encephalitis/
2. encephalit*.mp.
3. encephalopath*.mp.
4. rasmussen* syndrome.mp.
5. brain inflammation*.mp.
6. 1 or 2 or 3 or 4 or 5
7. exp rehabilitation/
8. rehabilitation centers/
9. ((physical or occupational or speech) adj therap*).mp.
10. rehab*.mp.
11. treatment duration/
12. "recovery (disorders)/"
13. hospital discharge/
14. (function* adj2 (recov* or outcome* or measure* or independen* or score*)).mp.
15. discharge*.mp.
16. 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15
17. 6 and 16
18. limit 17 to English language
19. limit 18 to animal
20. limit 18 to human
21. 19 not (19 and 20)
22. 18 not 21
23. limit 22 to chapter
24. 22 not 23

CINAHL (as of December 15, 2017)

Retrieved Articles: 77

Search Strategy:
1. "exp encephalitis/ OR encephalit*. OR encephalopath*, OR rasmussen* syndrome OR brain inflammation*"
2. "rehab*.mp.kw. OR exp Rehabilitation/ OR Rehabilitation Nursing/ OR Rehabilitation Centers/ OR physical therap*.mp.kw. OR physiotherap*.mp.kw. OR Recovery of Function"/ OR "Length of Stay"/ OR Patient Discharge/ OR ((function* adj2 (recov* or outcome* or measure* or independen*)).mp.kw ) OR discharge*.mp.kw."
3. S1 AND S2

Google, Google Scholar and Grey Matters (as of December 15, 2017)

Retrieved Articles: 8

Search Strategy:
1. "encephalitis and rehabilitation"
2. "encephalitis and physical therapy"
3. "encephalitis and occupational therapy"
4. "encephalitis and speech therapy"
5. "encephalitis and recovery function"
6. "encephalitis and functional independence measure"
7. "encephalitis and rehabilitation outcome"

Supplementary File 2: Original Systematic Review Protocol
http://dx.doi.org/10.1136/bmjopen-2015-010754

Supplementary File 3: Definitions of Rehabilitation Types

Cognitive Rehabilitation: a systematically applied set of medical and therapeutic services designed to improve cognitive functioning and participation in activities that may be affected by difficulties in one or more cognitive domains

Behavioural Rehabilitation: the application of behavioral, psychosocial, and biomedical science knowledge and techniques relevant to the understanding of health and illness
**Physical Therapy Intervention:** Physical rehabilitation aims to enhance and restore functional ability and quality of life to those with physical impairments or disabilities affecting the brain, spinal cord, nerves, bones, joints, ligaments, muscles, and tendons.

**Combined Therapy Intervention:** when more than one form of therapy is administered to the patient

