Supplementary Appendix 1.

Complete Database Search Strategies

Two complementary literature searches were conducted. Search 1 used broad nerve-injury and neurologic-symptom terms to maximize sensitivity, whereas Search 2 focused specifically on the sciatic nerve and its named branches. No language or study-design restrictions were applied.

Search 1. Broad Neurologic-Event Search

PubMed

Search date: August 27, 2026

Search strategy:(

"Arthroscopy"[Mesh]

OR arthroscop*[Title/Abstract]

)

AND

(

"Hip Joint"[Mesh]

OR hip[Title/Abstract]

)

AND

(

"Peripheral Nerve Injuries"[Mesh]

OR "Nerve Injuries"[Mesh]

OR neuropath*[Title/Abstract]

OR neuraprax*[Title/Abstract]

OR neuroprax*[Title/Abstract]

OR "nerve injur*"[Title/Abstract]

OR "nerve damage"[Title/Abstract]

OR "nerve pals*"[Title/Abstract]

OR "neural dysfunction"[Title/Abstract]

OR "neurologic* deficit*"[Title/Abstract]

OR "neurologic* complication*"[Title/Abstract]

OR "sensory deficit*"[Title/Abstract]

OR "motor deficit*"[Title/Abstract]

OR numbness[Title/Abstract]

OR paraesthe*[Title/Abstract]

OR paresthe*[Title/Abstract]

OR dysesthe*[Title/Abstract]

OR "pudendal nerve"[Title/Abstract]

OR "sciatic nerve"[Title/Abstract]

OR "peroneal nerve"[Title/Abstract]

OR "fibular nerve"[Title/Abstract]

OR "femoral nerve"[Title/Abstract]

OR "lateral femoral cutaneous nerve"[Title/Abstract]

OR "genitofemoral nerve"[Title/Abstract]

OR "perineal numbness"[Title/Abstract]

OR "groin numbness"[Title/Abstract]

OR "foot numbness"[Title/Abstract]

OR "sexual dysfunction"[Title/Abstract]

OR "urinary dysfunction"[Title/Abstract]

)

Records identified: 317

Web of Science Core Collection

Search date: August 27, 2026

Search strategy:TS=(

(hip NEAR/3 arthroscop*)

AND

(

neuropath*

OR neuraprax*

OR "nerve injur*"

OR "nerve damage"

OR "nerve pals*"

OR "neural dysfunction"

OR "neurologic* deficit*"

OR "neurologic* complication*"

OR "sensory deficit*"

OR "motor deficit*"

OR numbness

OR paraesthe*

OR paresthe*

OR dysesthe*

OR "pudendal nerve"

OR "sciatic nerve"

OR "peroneal nerve"

OR "fibular nerve"

OR "femoral nerve"

OR "lateral femoral cutaneous nerve"

OR "genitofemoral nerve"

OR "perineal numbness"

OR "groin numbness"

OR "foot numbness"

OR "sexual dysfunction"

OR "urinary dysfunction"

)

)

Records identified: 234

Search 2. Targeted Sciatic-Nerve Search

PubMed

Search date: August 27, 2026

Search strategy: (

("Arthroscopy"[Mesh] AND "Hip Joint"[Mesh])

OR "hip arthroscop*"[Title/Abstract]

OR "arthroscop* of the hip"[Title/Abstract]

OR "hip joint arthroscop*"[Title/Abstract]

)

AND

(

"Sciatic Neuropathy"[Mesh:NoExp]

OR "Peroneal Neuropathies"[Mesh:NoExp]

OR "Tibial Neuropathy"[Mesh:NoExp]

OR "Sciatic Nerve"[Mesh:NoExp]

OR "Peroneal Nerve"[Mesh:NoExp]

OR "Tibial Nerve"[Mesh:NoExp]

OR sciatic[Title/Abstract]

OR ischiadic*[Title/Abstract]

OR peroneal[Title/Abstract]

OR fibular[Title/Abstract]

OR tibial[Title/Abstract]

OR "lateral popliteal"[Title/Abstract]

OR "external popliteal"[Title/Abstract]

)

Records identified: 87

Web of Science Core Collection

Search date: August 27, 2026

Search strategy:TS=(

(

"hip arthroscop*"

OR "arthroscop* of the hip"

OR "hip joint arthroscop*"

)

AND

(

sciatic

OR ischiadic*

OR peroneal

OR fibular

OR tibial

OR "lateral popliteal"

OR "external popliteal"

)

)

Records identified: 69

The four searches identified 707 records before deduplication. After removal of 324 duplicate records, 383 unique records remained for title and abstract screening.