

## Supplementary Appendix 1

1. Search Strategy
2. Articles excluded at full text

### 1. Search Strategy

#### MEDLINE

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations and Daily <1946 to July 20, 2023>

|   |                                                                                                                                                                                                                                                                                                                                 |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | exp Anterior Cruciate Ligament/ or exp Anterior Cruciate Ligament Reconstruction/ or exp Anterior Cruciate Ligament Injuries/                                                                                                                                                                                                   |
| 2 | (ACL* or anterior cruciate ligament*).tw,kf.                                                                                                                                                                                                                                                                                    |
| 3 | 1 or 2                                                                                                                                                                                                                                                                                                                          |
| 4 | exp Return to Sport/ or exp Sports/                                                                                                                                                                                                                                                                                             |
| 5 | (activit* or (return* adj5 sport*) or (sport* adj5 level) or (sport* adj5 play*) or (return* adj5 play) or (return* adj5 exercis*) or (resum* adj5 sport*) or (sport* adj5 participa*) or RTS or (sport* adj5 level) or (resum* adj5 exercis*)).tw,kf.                                                                          |
| 6 | (actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA).tw,kf.                                                                                                                                               |
| 7 | 4 or 5 or 6                                                                                                                                                                                                                                                                                                                     |
| 8 | exp Exercise/ or exp conservative treatment/ or exp exercise therapy/ or exp rehabilitation/                                                                                                                                                                                                                                    |
| 9 | (non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy").tw,kf. |

|    |                |
|----|----------------|
| 10 | 8 or 9         |
| 11 | 3 and 7 and 10 |
| 12 | Animals/       |
| 13 | 11 not 12      |

## **EMBASE**

Embase Classic+Embase <1947 to July 20, 2023>

|    |                                                                                                                                                                                                                                                                                                                                 |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | exp anterior cruciate ligament rupture/ or exp anterior cruciate ligament reconstruction/ or exp anterior cruciate ligament injury/ or exp anterior cruciate ligament/                                                                                                                                                          |
| 2  | (ACL* or anterior cruciate ligament*).tw,kf.                                                                                                                                                                                                                                                                                    |
| 3  | 1 or 2                                                                                                                                                                                                                                                                                                                          |
| 4  | exp return to sport/ or exp sport/                                                                                                                                                                                                                                                                                              |
| 5  | (activit* or (return* adj5 sport*) or (sport* adj5 level) or (sport* adj5 play*) or (return* adj5 play) or (return* adj5 exercis*) or (resum* adj5 sport*) or (sport* adj5 participa*) or RTS or (sport* adj5 level) or (resum* adj5 exercis*)).tw,kf.                                                                          |
| 6  | (actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA).tw,kf.                                                                                                                                               |
| 7  | 4 or 5 or 6                                                                                                                                                                                                                                                                                                                     |
| 8  | exp kinesiotherapy/ or exp exercise/ or exp conservative treatment/ or exp rehabilitation/                                                                                                                                                                                                                                      |
| 9  | (non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy").tw,kf. |
| 10 | 8 or 9                                                                                                                                                                                                                                                                                                                          |

|    |                |
|----|----------------|
| 11 | 3 and 7 and 10 |
| 12 | animal/        |
| 13 | 11 not 12      |

### **CINAHL – updated and run July 20, 2023**

| #  | Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S6 | S4 NOT S5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| S5 | SU (animal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| S4 | S1 AND S2 AND S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| S3 | TI ( non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy" ) OR AB ( non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy" ) OR ( non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy" ) OR SU (exercise or physical therapy or rehabilitation) OR SU (exercise or physical therapy or rehabilitation) |
| S2 | TI ("return to sport" or "return to activity" or "return to performance" or "return to play" or "return to physical activity" or actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA ) OR AB ( "return to sport" or "return to activity" or "return to performance" or "return to play" or "return to physical activity" or actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA ) OR ( "return to sport" or "return to activity" or "return to performance" or "return to play" or "return to physical activity" or actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA ) OR SU ("sports re-entry")                                                                                                                                         |
| S1 | TI (ACL* or "anterior cruciate ligament*") OR AB ( ACL* or "anterior cruciate ligament*") OR (ACL* or "anterior cruciate ligament*") OR SU ("Anterior cruciate ligament injuries")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### **SPORTDiscus – updated and run July 20, 2023**

| #  | Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S6 | S4 NOT S5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| S5 | TI animal* OR AB animal* OR animal*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| S4 | S1 AND S2 AND S3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| S3 | TI ( non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy" ) OR AB ( non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy" ) OR ( non-operat* or nonoperat* or "no* operati*" or "no reconstruction" or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg*" or rehab* or "exercise therapy" or "physi* supervised" or physiotherapy or "physical therapy" ) OR SU ("physical therapy" or rehabilitation or exercise) |
| S2 | TI ("return to sport" or "return to activity" or "return to performance" or "return to play" or "return to physical activity" or actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA ) OR AB ( "return to sport" or "return to activity" or "return to performance" or "return to play" or "return to physical activity" or actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA ) OR ("return to sport" or "return to activity" or "return to performance" or "return to play" or "return to physical activity" or actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire*" or Tegner or Marx or UCLA ) OR SU (sports)                                                                                                |
| S1 | TI (ACL* or "anterior cruciate ligament*") OR AB ( ACL* or "anterior cruciate ligament*") OR (ACL* or "anterior cruciate ligament*") OR SU ("Anterior cruciate ligament" or "anterior cruciate ligament surgery" or "anterior cruciate ligament injuries")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

# **COCHRANE CENTRAL REGISTER last run July 20, 2023**

| ID | Search                                                                         |
|----|--------------------------------------------------------------------------------|
| #1 | MeSH descriptor: [Anterior Cruciate Ligament] explode all trees                |
| #2 | MeSH descriptor: [Anterior Cruciate Ligament Injuries] explode all trees       |
| #3 | MeSH descriptor: [Anterior Cruciate Ligament Reconstruction] explode all trees |

|     |                                                                                                                                                                                                                                                                                                                                                                     |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #4  | ((anterior near/2 cruciate* near/2 ligament*) or acl):ti,ab,kw (Word variations have been searched)                                                                                                                                                                                                                                                                 |
| #5  | #1 or #2 or #3 or #4                                                                                                                                                                                                                                                                                                                                                |
| #6  | MeSH descriptor: [Return to Sport] explode all trees                                                                                                                                                                                                                                                                                                                |
| #7  | MeSH descriptor: [Sports] explode all trees                                                                                                                                                                                                                                                                                                                         |
| #8  | (activit* or "return* near/5 sport*" or "sport* near/5 level" or "sport* near/5 play*" or "return* near/5 play" or "return* near/5 exercis*" or "resum* near/5 sport*" or "sport* near/5 participa*" or RTS or "sport* near/5 level" or "resum* near/5 exercis*"):ti,ab,kw (Word variations have been searched)                                                     |
| #9  | (actigraph* or acceleromet* or "step count" or IPAQ* or MVPA or METS or "physical activity" or "International Physical Activity Questionnaire" or Tegner or Marx or UCLA):ti,ab,kw (Word variations have been searched)                                                                                                                                             |
| #10 | #6 or #7 or #8 or #9                                                                                                                                                                                                                                                                                                                                                |
| #11 | MeSH descriptor: [Exercise] explode all trees                                                                                                                                                                                                                                                                                                                       |
| #12 | MeSH descriptor: [Conservative Treatment] explode all trees                                                                                                                                                                                                                                                                                                         |
| #13 | MeSH descriptor: [Exercise Therapy] explode all trees                                                                                                                                                                                                                                                                                                               |
| #14 | MeSH descriptor: [Rehabilitation] explode all trees                                                                                                                                                                                                                                                                                                                 |
| #15 | (non-operat* or nonoperat* or "no* operati*" or "no reconstruction or "no anterior cruciate ligament reconstruction" or "no ACL reconstruction" or copers or "ACL deficient" or conservative or non-surg* or "no* surg" or rehab* or "exercise therapy" or physi* supervised" or physiotherapy or "physical therapy"):ti,ab,kw (Word variations have been searched) |
| #16 | #11 or #12 or #13 or #14 or #15                                                                                                                                                                                                                                                                                                                                     |
| #17 | #5 and #10 and #16                                                                                                                                                                                                                                                                                                                                                  |
| #18 | (animal*):ti,ab,kw (Word variations have been searched)                                                                                                                                                                                                                                                                                                             |
| #19 | #17 not #18                                                                                                                                                                                                                                                                                                                                                         |

## 2. Articles Excluded at Full Text Screening

| #  | Authors; Title; Published Year; Journal; Volume; Issue; Pages; DOI                                                                                                                                                                                                                                                                                                                                                              | Reason for exclusion |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1  | Ageberg, Eva; Thomee, Roland; Neeter, Camille; Silbernagel, Karin Gravare; Roos, Ewa M; Muscle strength and functional performance in patients with anterior cruciate ligament injury treated with training and surgical reconstruction or training only: a two to five-year followup.; 2008; Arthritis and rheumatism; 59; 12; 1773-9; <a href="https://dx.doi.org/10.1002/art.24066">https://dx.doi.org/10.1002/art.24066</a> | Wrong outcomes       |
| 2  | Andersson C.; Odensten M.; Gillquist J. ; Knee function after surgical or nonsurgical treatment of acute rupture of the anterior cruciate ligament: A randomized study with a long-term follow-up period; 1991; Clinical Orthopaedics and Related Research; 264; (Andersson, Odensten, Gillquist) Dept. of Orthopaedic Surgery, University Hospital, S-581 85 Linköping, Sweden; 255-263                                        | Wrong intervention   |
| 3  | Andersson, C; Gillquist, J; Treatment of acute isolated and combined ruptures of the anterior cruciate ligament. A long-term follow-up study.; 1992; The American journal of sports medicine; 20; 1; 7-Dec;                                                                                                                                                                                                                     | Wrong intervention   |
| 4  | Andersson, C; Odensten, M; Good, L; Gillquist, J; Surgical or non-surgical treatment of acute rupture of the anterior cruciate ligament. A randomized study with long-term follow-up.; 1989; The Journal of bone and joint surgery. American volume; 71; 7; 965-74                                                                                                                                                              | Wrong intervention   |
| 5  | Baltaci G.; Ergun N.; Bayrakci V. ; Non-operative treatment of anterior cruciate ligament injuries; 1997; Sports Exercise and Injury; 3; 4; 160-163                                                                                                                                                                                                                                                                             | Wrong study design   |
| 6  | Blanke, F.; Trinnies, K.; Oehler, N.; Prall, W. C.; Lutter, C.; Tischer, T.; Vogt, S.; Spontaneous healing of acute ACL ruptures: rate, prognostic factors and short-term outcome; 2023; Archives of Orthopaedic and Trauma Surgery; 143(7); ; 4291-4298; <a href="https://dx.doi.org/10.1007/s00402-022-04701-0">https://dx.doi.org/10.1007/s00402-022-04701-0</a>                                                             | Wrong study design   |
| 7  | Bryant A.L.; Clark R.A.; Pua Y.-H. ; Morphology of hamstring torque-time curves following acl injury and reconstruction: Mechanisms and implications; 2011; Journal of Orthopaedic Research; 29; 6; 907-914; <a href="http://dx.doi.org/10.1002/jor.21306">http://dx.doi.org/10.1002/jor.21306</a>                                                                                                                              | Wrong outcomes       |
| 8  | Bryant, A.L.; Creaby, M.W.; Newton, R.U.; Steele, J.R.; Dynamic Restraint Capacity of the Hamstring Muscles Has Important Functional Implications After Anterior Cruciate Ligament Injury and Anterior Cruciate Ligament Reconstruction; 2008; Archives of Physical Medicine and Rehabilitation; 89; 12; 2324-2331; 10.1016/j.apmr.2008.04.027                                                                                  | Wrong outcomes       |
| 9  | Button, Kate; Roos, Paulien E; van Deursen, Robert W M; Activity progression for anterior cruciate ligament injured individuals.; 2014; Clinical biomechanics (Bristol, Avon); 29; 2; 206-12; <a href="https://dx.doi.org/10.1016/j.clinbiomech.2013.11.010">https://dx.doi.org/10.1016/j.clinbiomech.2013.11.010</a>                                                                                                           | Wrong comparator     |
| 10 | Casteleyn, P P; Handelberg, F; Non-operative management of anterior cruciate ligament injuries in the general population.; 1996; The Journal of bone and joint surgery. British volume; 78; 3; 446-51                                                                                                                                                                                                                           | Wrong study design   |
| 11 | Costa-Paz M.; Garcia-Mansilla I.; Ayerza M.; Muscolo D.L. ; Spontaneous healing in complete ACL ruptures: Results at eight-year mean follow-up; 2018; Orthopaedic Journal of Sports Medicine; 6; 12 Supplement 5; <a href="http://dx.doi.org/10.1177/2325967118S00188">http://dx.doi.org/10.1177/2325967118S00188</a>                                                                                                           | Conference abstract  |
| 12 | Dahlstedt L.; Dalen N. ; Outcome of patients with anterior cruciate ligament injuries selected for conservative treatment; 1991; Scandinavian Journal of Medicine and Science in Sports; 1; 4; 239-243                                                                                                                                                                                                                          | Wrong intervention   |
| 13 | Daniel, D M; Stone, M L; Dobson, B E; Fithian, D C; Rossman, D J; Kaufman, K R; Fate of the ACL-injured patient. A prospective outcome study.; 1994; The American journal of sports medicine; 22; 5; 632-44                                                                                                                                                                                                                     | Wrong comparator     |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 14 | Davies, Loretta; Cook, Jonathan; Leal, Jose; Areia, Carlos Morgado; Shirkey, Beverly; Jackson, William; Campbell, Helen; Fletcher, Heidi; Carr, Andrew; Barker, Karen; Lamb, Sarah E; Monk, Paul; O'Leary, Sean; Haddad, Fares; Wilson, Chris; Price, Andrew; Beard, David; Comparison of the clinical and cost effectiveness of two management strategies (rehabilitation versus surgical reconstruction) for non-acute anterior cruciate ligament (ACL) injury: study protocol for the ACL SNNAP randomised controlled trial.; 2020; Trials; 21; 1; 405; <a href="https://dx.doi.org/10.1186/s13063-020-04298-y">https://dx.doi.org/10.1186/s13063-020-04298-y</a> | Wrong study design   |
| 15 | DePalma, B.F.; Zelko, R.R.; Knee rehabilitation following anterior cruciate ligament injury or surgery.; 1986; Athletic Training; 21; 3; 200-204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Wrong study design   |
| 16 | Diekstall, P; Rauhut, F; [Considerations for the indications for anterior cruciate ligament reconstruction. Results of conservative versus operative treatment].; 1999; Der Unfallchirurg; 102; 3; 173-81                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Study not in English |
| 17 | Diercks R.L.; Dijkstra M. ; Surgically and conservatively treated patients with post-traumatic anterior cruciate ligament insufficiency: Comparison of results; 2001; Geneeskunde en Sport; 34; 5; 175-179                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Study not in English |
| 18 | Dobos, J.; Hehl, I.; Leopold, L.; Gyermek- es serdulokoru sportolok elulso keresztszalag szakadasanak kezelesi lehetosegei es azok eredmenyei osztalyunkon. / Possibilities and results in the treatment of ACL tears in children and adolescent athletes in our department.; 1996; Sportorvosi Szemle/Hungarian Review of Sports Medicine; 37; 3; 126-135                                                                                                                                                                                                                                                                                                           | Study not in English |
| 19 | Dunn, Kristina L; Lam, Kenneth C; Valovich McLeod, Tamara C; Early Operative Versus Delayed or Nonoperative Treatment of Anterior Cruciate Ligament Injuries in Pediatric Patients.; 2016; Journal of athletic training; 51; 5; 425-7; <a href="https://dx.doi.org/10.4085/1062-6050.51.5.11">https://dx.doi.org/10.4085/1062-6050.51.5.11</a>                                                                                                                                                                                                                                                                                                                       | Wrong study design   |
| 20 | Eastlack, M E; Axe, M J; Snyder-Mackler, L; Laxity, instability, and functional outcome after ACL injury: copers versus noncopers.; 1999; Medicine and science in sports and exercise; 31; 2; 210-5;                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Wrong study design   |
| 21 | Ehlinger, Matthieu; Panisset, Jean-Claude; Dejour, David; Gonzalez, Jean-Francois; Pailhe, Regis; Favreau, Henri; Ollivier, Matthieu; Lustig, Sebastien; Francophone Arthroscopy Society (SFA); Anterior cruciate ligament reconstruction in the over-50s. A prospective comparative study between surgical and functional treatment.; 2021; Orthopaedics & traumatology, surgery & research : OTSR; 107; 8S; 103039; <a href="https://dx.doi.org/10.1016/j.otsr.2021.103039">https://dx.doi.org/10.1016/j.otsr.2021.103039</a>                                                                                                                                      | Wrong comparator     |
| 22 | Ekas, Guri Ranum; Moksnes, Havard; Grindem, Hege; Risberg, May Arna; Engebretsen, Lars; Coping With Anterior Cruciate Ligament Injury From Childhood to Maturation: A Prospective Case Series of 44 Patients With Mean 8 Years' Follow-up.; 2019; The American journal of sports medicine; 47; 1; 22-30; <a href="https://dx.doi.org/10.1177/0363546518810750">https://dx.doi.org/10.1177/0363546518810750</a>                                                                                                                                                                                                                                                       | Wrong study design   |
| 23 | Ericsson YB; Roos EM; Frobell RB; Lower extremity performance following ACL rehabilitation in the KANON-trial: impact of reconstruction and predictive value at 2 and 5 years [with consumer summary]; 2013; British Journal of Sports Medicine 2013 Oct; 47(15):980-985                                                                                                                                                                                                                                                                                                                                                                                             | Wrong outcomes       |
| 24 | Faltstrom, Anne; Hagglund, Martin; Kvist, Joanna; Patient-reported knee function, quality of life, and activity level after bilateral anterior cruciate ligament injuries.; 2013; The American journal of sports medicine; 41; 12; 2805-13; <a href="https://dx.doi.org/10.1177/0363546513502309">https://dx.doi.org/10.1177/0363546513502309</a>                                                                                                                                                                                                                                                                                                                    | Wrong study design   |
| 25 | Fashkhami, A.N.; Rahimi, A.; Kalantari, K.K.; Baghban, A.A.; Naimi, S.S.; Keyhani, S.; The functional abilities and maximal vertical jumping height in copers and non-copers with anterior cruciate ligament-deficient knees; 2014; Iranian Rehabilitation Journal; 12; 20; 28-33;                                                                                                                                                                                                                                                                                                                                                                                   | Wrong intervention   |
| 26 | Feagin, J.A.; Curl, W.W.; Isolated tear of the anterior cruciate ligament: five-year follow-up study.; 1990; Journal of Orthopaedic & Sports Physical Therapy; 12; 6; 232-236                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Wrong intervention   |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 27 | Filbay S.; Andersson C.; Ardern C.; Gauffin H.; Kvist J. ; Prognostic factors for knee pain, symptoms, function and quality of life 32-37 years after surgically or non-surgically managed ACL injury; 2019; Journal of Science and Medicine in Sport; 22; Supplement 2; S57; <a href="http://dx.doi.org/10.1016/j.jsams.2019.08.251">http://dx.doi.org/10.1016/j.jsams.2019.08.251</a>                                                                                                                                                     | Wrong outcomes      |
| 28 | Filbay S.R.; Andersson C.; Ardern C.; Gauffin H.; Kvist J. ; Patient-reported outcome 32 to 37 years following surgically treated or non-surgically treated acute anterior cruciate ligament injury; 2018; Osteoarthritis and Cartilage; 26; Supplement 1; S52-S53                                                                                                                                                                                                                                                                          | Wrong intervention  |
| 29 | Filbay S.R.; Ardern C.; Andersson C.; Gauffin H.; Kvist J. ; Prognostic factors for radiographic and symptomatic tibiofemoral and patellofemoral osteoarthritis 32-37 years after anterior cruciate ligament injury; 2020; Osteoarthritis and Cartilage; 28; Supplement 1; S350-S351; <a href="http://dx.doi.org/10.1016/j.joca.2020.02.548">http://dx.doi.org/10.1016/j.joca.2020.02.548</a>                                                                                                                                               | Wrong outcomes      |
| 30 | Filbay S.R.; Frobell R.B.; Lohmander S.; Roos E.M. ; Surgery, cartilage injury and patient-reported measures within 4 weeks of ACL rupture are associated with 5 year outcome: Exploratory analysis of the KANON trial; 2015; Osteoarthritis and Cartilage; 23; SUPPL. 2; A274-A275                                                                                                                                                                                                                                                         | Conference abstract |
| 31 | Filbay, S R; Culvenor, A G; Ackerman, I N; Russell, T G; Crossley, K M; Quality of life in anterior cruciate ligament-deficient individuals: a systematic review and meta-analysis.; 2015; British journal of sports medicine; 49; 16; 1033-41; <a href="https://dx.doi.org/10.1136/bjsports-2015-094864">https://dx.doi.org/10.1136/bjsports-2015-094864</a>                                                                                                                                                                               | Wrong study design  |
| 32 | Filbay, S. R.; Dowsett, M.; Chaker Jomaa, M.; Rooney, J.; Sabharwal, R.; Lucas, P.; Van Den Heever, A.; Kazaglis, J.; Merlino, J.; Moran, M.; Allwright, M.; Kuah, D. E. K.; Durie, R.; Roger, G.; Cross, M.; Cross, T.; Healing of acute anterior cruciate ligament rupture on MRI and outcomes following non-surgical management with the Cross Bracing Protocol; 2023; BJSM online; 14; ; 14; <a href="https://dx.doi.org/10.1136/bjsports-2023-106931">https://dx.doi.org/10.1136/bjsports-2023-106931</a>                              | Wrong study design  |
| 33 | Filbay, S.; Dowsett, M.; Chaker Jomaa, M.; Rooney, J.; Kazaglis, J.; Merlino, J.; Moran, M.; Allwright, M.; Kuah, D.; Sabharwal, R.; van den Heever, A.; Lucas, P.; Roger, G.; Cross, M.; Cross, T.; Healing of a ruptured anterior cruciate ligament and patient-reported outcomes following non-surgical management with a novel bracing protocol; 2022; Journal of Science and Medicine in Sport; 25(Supplement 2); S29-S30; <a href="https://dx.doi.org/10.1016/j.jsams.2022.09.006">https://dx.doi.org/10.1016/j.jsams.2022.09.006</a> | Conference abstract |
| 34 | Filbay, S.; Roemer, F.; Lohmander, S.; Turkiewicz, A.; Roos, E. M.; Frobell, R.; Englund, M.; SPONTANEOUS HEALING OF THE RUPTURED ANTERIOR CRUCIATE LIGAMENT: OBSERVATIONS FROM THE KANON TRIAL; 2022; BMJ open sport and exercise medicine; 8; ; A3; <a href="https://dx.doi.org/10.1136/bmjsem-2022-sportskongres.8">10.1136/bmjsem-2022-sportskongres.8</a>                                                                                                                                                                              | Conference abstract |
| 35 | Filbay, S.; Roemer, F.; Lohmander, S.; Turkiewicz, A.; Roos, E. M.; Frobell, R.; Englund, M.; Spontaneous Healing of the Ruptured Anterior Cruciate Ligament: Observations from the Kanon Trial; 2022; BMJ Open Sport and Exercise Medicine; 8(Supplement 1); A3; <a href="https://dx.doi.org/10.1136/bmjsem-2022-sportskongres.8">https://dx.doi.org/10.1136/bmjsem-2022-sportskongres.8</a>                                                                                                                                               | Conference abstract |
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| 85 | Lien-Iversen, Teodor; Morgan, Daniel Barklin; Jensen, Carsten; Risberg, May Arna; Engebretsen, Lars; Viberg, Bjarke; Does surgery reduce knee osteoarthritis, meniscal injury and subsequent complications compared with non-surgery after ACL rupture with at least 10 years follow-up? A systematic review and meta-analysis.; 2020; British journal of sports medicine; 54; 10; 592-598; <a href="https://dx.doi.org/10.1136/bjsports-2019-100765">https://dx.doi.org/10.1136/bjsports-2019-100765</a> | Wrong study design       |
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| 95  | Moon K.T. ; Early vs. Delayed treatment of anterior cruciate ligament tears; 2011; American Family Physician; 83; 7; 842-844                                                                                                                                                                                                                                                                                          | Wrong study design  |
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| 98  | NCT04408690;; Feasibility of a RCT That Compares Immediate Versus Optional Delayed Surgical Repair After ACL Injury; 2020; ; ; ;                                                                                                                                                                                                                                                                                      | Wrong study design  |
| 99  | NCT04770233;; How to Best Treat Anterior Cruciate Ligament Injuries; 2021; ; ; ;                                                                                                                                                                                                                                                                                                                                      | Wrong study design  |
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| 102 | NTR2746;; Cost-effectiveness of two treatment strategies of an anterior cruciate ligament rupture. A randomized clinical study; 2011; ; ; ;                                                                                                                                                                                                                                                                           | Wrong study design  |
| 103 | Odensten, M.; Hamberg, P.; Nordin, M.; Lysholm, J.; Gillquist, J.; Surgical or conservative treatment of the acutely torn anterior cruciate ligament. A randomized study with short-term follow-up observations.; 1985; Clinical Orthopaedics & Related Research; 198; 87-93;                                                                                                                                         | Wrong intervention  |
| 104 | Park, Yong-Geun; Ha, Chul-Won; Park, Yong-Beom; Na, Sang-Eun; Kim, Manyoung; Kim, Tae Seon; Chu, Yong Yeon; Is it worth to perform initial non-operative treatment for patients with acute ACL injury?: a prospective cohort prognostic study.; 2021; Knee surgery & related research; 33; 1; 11; <a href="https://dx.doi.org/10.1186/s43019-021-00094-3">https://dx.doi.org/10.1186/s43019-021-00094-3</a>           | Wrong study design  |
| 105 | Pedersen M.; Grindem H.; Berg B.; Gunderson R.; Engebretsen L.; Axe M.J.; Snyder-Mackler L.; Risberg M.A. ; Low Rates of Radiographic Knee Osteoarthritis 5 Years After ACL Reconstruction or Rehabilitation Alone: The Delaware-Oslo ACL Cohort Study; 2021; Orthopaedic Journal of Sports Medicine; 9; 8; ; <a href="http://dx.doi.org/10.1177/232596712111027530">http://dx.doi.org/10.1177/232596712111027530</a> | Wrong outcomes      |
| 106 | Previ, L.; Monaco, E.; Carrozzo, A.; Fedeli, G.; Annibaldi, A.; Cantagalli, M. R.; Rossi, G.; Ferretti, A.; Spontaneous healing of a ruptured anterior cruciate ligament: a case series and literature review; 2023; Journal of Experimental Orthopaedics; 10(1) (no pagination); <a href="https://dx.doi.org/10.1186/s40634-022-00566-9">https://dx.doi.org/10.1186/s40634-022-00566-9</a>                           | Wrong study design  |
| 107 | Rambaud A.J.; Neri T.; Edouard P. ; Reconstruction, rehabilitation and return-to-sport continuum after anterior cruciate ligament injury (ACLR3-continuum): Call for optimized programs; 2022; Annals of Physical and Rehabilitation Medicine; 65; 4; 101470; <a href="http://dx.doi.org/10.1016/j.rehab.2020.101470">http://dx.doi.org/10.1016/j.rehab.2020.101470</a>                                               | Wrong study design  |

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| 111 | Sanchez Romero E.A.; Lim T.; Perez J.L.A.; Castaldo M.; Lozano P.M.; Villafane J.H. ; Identifying clinical and MRI characteristics associated with quality of life in patients with anterior cruciate ligament injury: Prognostic factors for long-term; 2021; International Journal of Environmental Research and Public Health; 18; 23; 12845; <a href="https://dx.doi.org/10.3390/ijerph182312845">https://dx.doi.org/10.3390/ijerph182312845</a>                                                                               | Wrong study design         |
| 112 | Sandberg R; Balkfors B; Nilsson B; Westlin N; Operative versus non-operative treatment of recent injuries to the ligaments of the knee. A prospective randomized study; 1987; Journal of Bone and Joint Surgery -- American Volume 1987 Oct; 69(8):1120-1126                                                                                                                                                                                                                                                                       | Wrong intervention         |
| 113 | Scavenius, M; Bak, K; Hansen, S; Norring, K; Jensen, K H; Jorgensen, U; Isolated total ruptures of the anterior cruciate ligament--a clinical study with long-term follow-up of 7 years.; 1999; Scandinavian journal of medicine & science in sports; 9; 2; 114-9;                                                                                                                                                                                                                                                                 | Wrong study design         |
| 114 | Schabus R. ; The management of the isolated injury of the anterior cruciate ligament - Long-term results; 1996; Acta Chirurgica Austriaca; 28; SUPPL. 120; 130-133                                                                                                                                                                                                                                                                                                                                                                 | Wrong intervention         |
| 115 | Secrist, Eric S; Frederick, Robert W; Tjoumakaris, Fotios P; Stache, Stephen A; Hammoud, Sommer; Freedman, Kevin B; A Comparison of Operative and Nonoperative Treatment of Anterior Cruciate Ligament Injuries.; 2016; JBJS reviews; 4; 11; ; <a href="https://dx.doi.org/10.2106/JBJS.RVW.15.00115">https://dx.doi.org/10.2106/JBJS.RVW.15.00115</a>                                                                                                                                                                             | Wrong study design         |
| 116 | Seitz, H; Chrysopoulos, A; Egkher, E; Mousavi, M; [Long-term results of replacement of the anterior cruciate ligament in comparison with conservative therapy].; 1994; Der Chirurg; Zeitschrift fur alle Gebiete der operativen Medizen; 65; 11; 992-8;                                                                                                                                                                                                                                                                            | Study not in English       |
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| 122 | Stockton, D. J.; Schmidt, A. M.; Yung, A.; Desrochers, J.; Zhang, H.; Masri, B. A.; Wilson, D. R.; Tibiofemoral contact and alignment in patients with anterior cruciate ligament rupture treated nonoperatively versus reconstruction: An upright, open MRI study; 2021; Bone and Joint Journal; 103 B(9); 1505-1513; <a href="https://dx.doi.org/10.1302/0301-620X.103B9.BJJ-2020-1955.R1">https://dx.doi.org/10.1302/0301-620X.103B9.BJJ-2020-1955.R1</a>                                                   | Wrong intervention  |
| 123 | Strehl, Alexander; Eggli, Stefan; The value of conservative treatment in ruptures of the anterior cruciate ligament (ACL).; 2007; The Journal of trauma; 62; 5; 1159-62                                                                                                                                                                                                                                                                                                                                        | Wrong intervention  |
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| 128 | Thoma, Louise M; Grindem, Hege; Logerstedt, David; Axe, Michael; Engebretsen, Lars; Risberg, May Arna; Snyder-Mackler, Lynn; Coper Classification Early After Anterior Cruciate Ligament Rupture Changes With Progressive Neuromuscular and Strength Training and Is Associated With 2-Year Success: The Delaware-Oslo ACL Cohort Study.; 2019; The American journal of sports medicine; 47; 4; 807-814; <a href="https://dx.doi.org/10.1177/0363546519825500">https://dx.doi.org/10.1177/0363546519825500</a> | Wrong outcomes      |
| 129 | Thomee, R; Walden, M; Hagglund, M; Return to sports after anterior cruciate ligament injury: neither surgery nor rehabilitation alone guarantees success--it is much more complicated.; 2015; British journal of sports medicine; 49; 22; 1422; <a href="https://dx.doi.org/10.1136/bjsports-2015-094793">https://dx.doi.org/10.1136/bjsports-2015-094793</a>                                                                                                                                                  | Wrong study design  |
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| 134 | Urhausen, A. P.; Pedersen, M.; Grindem, H.; Ito, N.; Arhos, E.; Smith, A.; Silbernagel, K.; Axe, M.; Engebretsen, L.; Snyder-Mackler, L.; Risberg, M.; Good 10-Year Outcomes Following The Treatment Algorithm Of The Delaware-Oslo ACL Cohort: Knee Osteoarthritis, Symptoms And Function; 2023; Osteoarthritis and Cartilage; 31(Supplement 1); S48-S49; <a href="https://dx.doi.org/10.1016/j.joca.2023.01.541">https://dx.doi.org/10.1016/j.joca.2023.01.541</a>      | Conference abstract      |
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| 137 | van der List, Jelle P; Hagemans, Frans J A; Hofstee, Dirk Jan; Jonkers, Freerk J; The Role of Patient Characteristics in the Success of Nonoperative Treatment of Anterior Cruciate Ligament Injuries.; 2020; The American journal of sports medicine; 48; 7; 1657-1664; <a href="https://dx.doi.org/10.1177/0363546520917386">https://dx.doi.org/10.1177/0363546520917386</a>                                                                                            | Wrong outcomes           |
| 138 | van Meer, Belle L; Oei, Edwin H G; Meuffels, Duncan E; van Arkel, Ewoud R A; Verhaar, Jan A N; Bierma-Zeinstra, Sita M A; Reijman, Max; Degenerative Changes in the Knee 2 Years After Anterior Cruciate Ligament Rupture and Related Risk Factors: A Prospective Observational Follow-up Study.; 2016; The American journal of sports medicine; 44; 6; 1524-33; <a href="https://dx.doi.org/10.1177/0363546516631936">https://dx.doi.org/10.1177/0363546516631936</a>    | Wrong outcomes           |
| 139 | Vasile, Manole; LăfcrĂfmioara, Manole; Marius, Manole; POSSIBILITIES OF RECOVERY BY MEANS OF PHYSIOTHERAPY AFTER ANTERIOR CRUCIATE LIGAMENT PLASTY (KENETH-JONES) AT HANDBALL PLAYERS.; 2011; Gymnasium: Journal of Physical Education & Sports; 12; 2; Jul-14;                                                                                                                                                                                                           | Wrong study design       |
| 140 | Wasmaier, J.; Eid, K.; Kubik-Huch, R.; Bieg, C.; Pfirrmann, C.; Grehn, H.; Proximal Anterior Cruciate Ligament Tears: The Healing Response Technique versus Conservative Treatment; 2012; Journal of Knee Surgery; 26; 4; 263-272; 10.1055/s-0032-1329720                                                                                                                                                                                                                 | Wrong intervention       |
| 141 | Webster, Kate E; Feller, Julian A; A research update on the state of play for return to sport after anterior cruciate ligament reconstruction.; 2019; Journal of orthopaedics and traumatology : official journal of the Italian Society of Orthopaedics and Traumatology; 20; 1; 10; <a href="https://dx.doi.org/10.1186/s10195-018-0516-9">https://dx.doi.org/10.1186/s10195-018-0516-9</a>                                                                             | Wrong study design       |
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| 144 | Winterstein, Andrew P.; McGuine, Timothy A.; Carr, Kathleen E.; Hetzel, Scott; Changes in Self-reported Physical Activity Following Knee Injury in Active Females.; 2013; Athletic Training & Sports Health Care: The Journal for the Practicing Clinician; 5; 3; 106-114; 10.3928/19425864-20130412-01                                                                                                                                                                   | Wrong patient population |
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