

C-Leg vs Non-microprocessor Controlled Knees Study Summaries

The summaries are organized in three levels depending on the detail of information. The overview table (Level 1) lists all the relevant publications dealing with a particular product (topic) as well as researched categories (e.g. level walking, safety, activities, etc). By clicking on individual categories, a summary of all the literature dealing with that category will open (Level 2).

For those interested to learn more about individual studies, a summary of the study can be obtained by clicking on the relevant reference (Level 3).

| Reference | | Category | | | | | | | | | |
|-----------|--|--------------------------|--------|--------------|--------------------------|------------------|------------------------------|--------|-------------------------|-------------------------------|------------------|
| | | Functions and Activities | | | | | | | | Participation | Environment |
| Author | Year | Level Walking | Stairs | Ramps, Hills | Uneven ground, Obstacles | Cognitive demand | Metabolic Energy Consumption | Safety | Activity, Mobility, ADL | Preference, Satisfaction, QoL | Health economics |
| [59] | Kuhlmann, Bosman, Brüggjenjürgen¹ | 2025, 2026 | | | | | | | | x | x |
| [58] | Bosman | 2025 | x | | | | | | x | x | |
| [57] | Cutti | 2024 | | | | | | | | x | |
| [56] | King | 2024 | | | x | | | | | | |
| [55] | Kuhlmann | 2020 | | | | | | | | | x |
| [54] | Lansade | 2020 | | | | | | x | x | x | |
| [53] | Ramstrand | 2020 | x | | x | x | | | | | |
| [52] | Hahn* | 2020 | | | | | | x | x | x | x |
| [51] | Möller | 2019 | x | | | x | | | | | |
| [50] | Cutti | 2018 | x | | | | | | | | |
| [49] | Liu | 2017 | x | | x | | | x | | x | x |
| [48] | Cutti | 2016 | | | | | | | | x | x |

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|------|--------------------------|------|---|---|---|---|--|---|---|---|---|---|
| [47] | <u>Wong</u> | 2015 | | | | | | | x | | x | |
| [46] | <u>Hahn</u> | 2015 | x | | | | | x | x | x | | |
| [45] | <u>Kannenberg*</u> | 2014 | x | x | x | x | | | x | x | x | |
| [44] | <u>Highsmith</u> | 2014 | | | | | | | x | | | |
| [43] | <u>Tofts^s</u> | 2014 | x | | | | | x | | x | x | |
| [42] | <u>Eberly</u> | 2013 | x | | | | | | | | | |
| [41] | <u>Highsmith</u> | 2013 | | | x | | | | | | | |
| [40] | <u>William</u> | 2013 | | | | | | | | | x | |
| [39] | <u>Bari^s</u> | 2012 | x | | | | | | | | | |
| [38] | <u>Burnfield</u> | 2012 | | | x | | | | x | | x | |
| [37] | <u>Kaufman</u> | 2012 | x | | | | | | | | | |
| [36] | <u>Meier</u> | 2012 | | | | x | | | | | | |
| [35] | <u>Schaarschmidt</u> | 2012 | x | | | | | | | | | |
| [34] | <u>Samuelsson*</u> | 2012 | | | | | | | x | x | x | x |
| [33] | <u>Theeven</u> | 2012 | | | | | | | | x | x | |
| [32] | <u>Wong*</u> | 2012 | | | | | | x | | | | |
| [31] | <u>Wong^s</u> | 2012 | | x | | | | | x | x | | |
| [30] | <u>Highsmith</u> | 2011 | | | | | | | | x | | |
| [29] | <u>Theeven</u> | 2011 | | | | | | | | x | x | |
| [28] | <u>Highsmith*</u> | 2010 | | | | | | x | x | | | x |
| [27] | <u>Maaref</u> | 2010 | x | | | | | | | | | |
| [26] | <u>Petersen</u> | 2010 | x | | | | | | | | | |

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|------|--------------------|------|---|---|---|---|---|---|---|---|---|---|
| [25] | <u>Theeven</u> | 2010 | | | | | | | | x | | |
| [24] | <u>Berry</u> | 2009 | | | | | | | | | x | |
| [23] | <u>Blumentritt</u> | 2009 | | | | | | | x | | | |
| [22] | <u>Gerzeli</u> | 2009 | | | | | | | | | | x |
| [21] | <u>Hafner</u> | 2009 | | x | x | x | x | | x | x | x | |
| [20] | <u>Seelen</u> | 2009 | | | | | | | | | | x |
| [19] | <u>Brodtkorb</u> | 2008 | | | | | | | | | | x |
| [18] | <u>Drerup</u> | 2008 | | | | | | | x | x | x | |
| [17] | <u>Kahle</u> | 2008 | x | x | | x | | | x | x | x | |
| [16] | <u>Kaufman</u> | 2008 | | | | | | x | | | x | |
| [15] | <u>Bunce</u> | 2007 | | | | | | | | | x | |
| [14] | <u>Hafner</u> | 2007 | x | x | x | x | x | | x | x | x | |
| [13] | <u>Kaufman</u> | 2007 | x | | | | | | x | | | |
| [12] | <u>Schmalz</u> | 2007 | | x | | | | | | | | |
| [11] | <u>Seymour</u> | 2007 | | | | x | | x | | | x | |
| [10] | <u>Klute</u> | 2006 | | | | | | | | x | | |
| [9] | <u>Orendurff</u> | 2006 | x | | | | | x | | | x | |
| [8] | <u>Segal</u> | 2006 | x | | | | | | | | | |
| [7] | <u>Williams</u> | 2006 | | | | | x | | | | | |
| [6] | <u>Johansson</u> | 2005 | x | | | | | x | | | | |
| [5] | <u>Swanson</u> | 2005 | | | | | | | | | x | |
| [4] | <u>Wetz</u> | 2005 | x | | | | | | | x | | |

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|--|----------------------------------|-------------|-----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| [3] | <u>Perry</u> [§] | 2004 | x | | | | | x | | | | |
| [2] | <u>Schmalz</u> | 2002 | | | | | | x | | | | |
| [1] | <u>Schmalz</u> | 2002 | | x | | | | | | | x | |
| Total number: 59 | | | 22 | 7 | 5 | 9 | 8 | 9 | 17 | 18 | 26 | 10 |
| * Review article § Case study ¹ Combined summary of 2 publications and 1 letter to the editor | | | | | | | | | | | | |