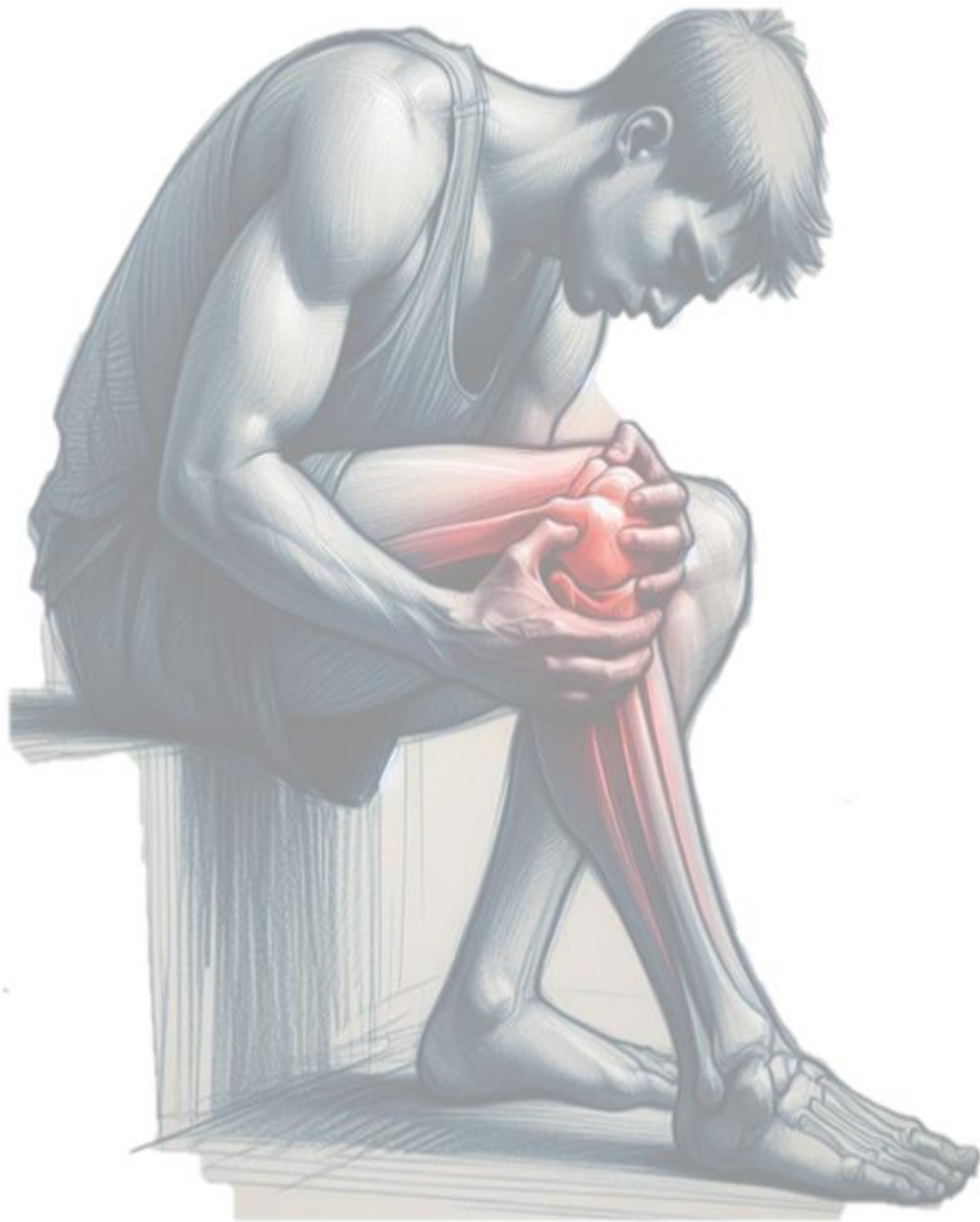




Tann føroyski knækanningar bólkurin: Ein kanning av títtleika, etiologi og ávirkan

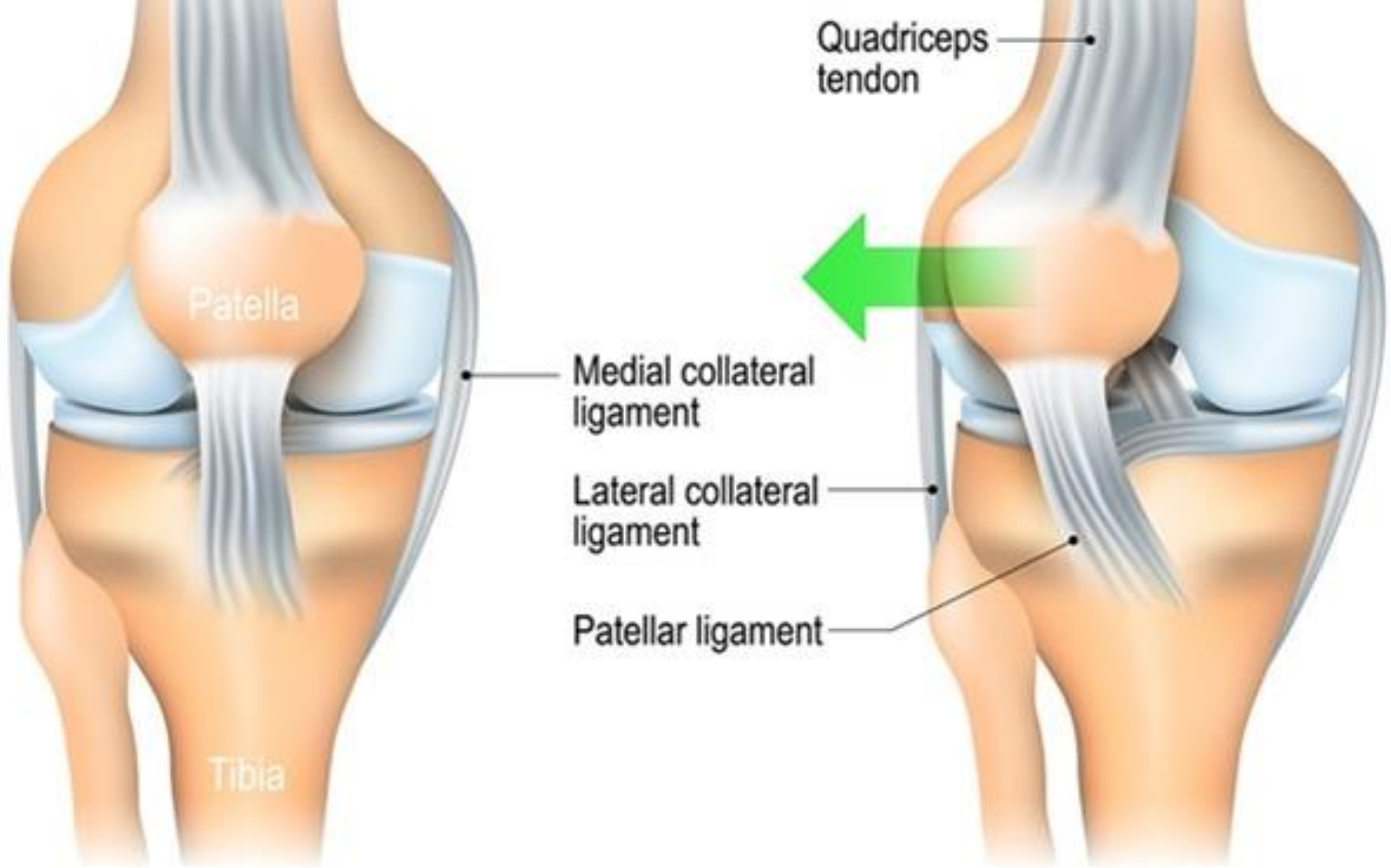
*Niclas H. Eysturoy
Lækni á Landssjúkrahúsinum,
Ph.d. lesandi á Universitetinum í Keypmannahavn*

*Verkætlanin er stuðlað av Granskingarráðnum
Høvuðsvegleiðari: Kristoffer W. Barfod, Prof. MD.*









Review

> Knee Surg Sports Traumatol Arthrosc. 2023 Sep;31(9):3806-3846.

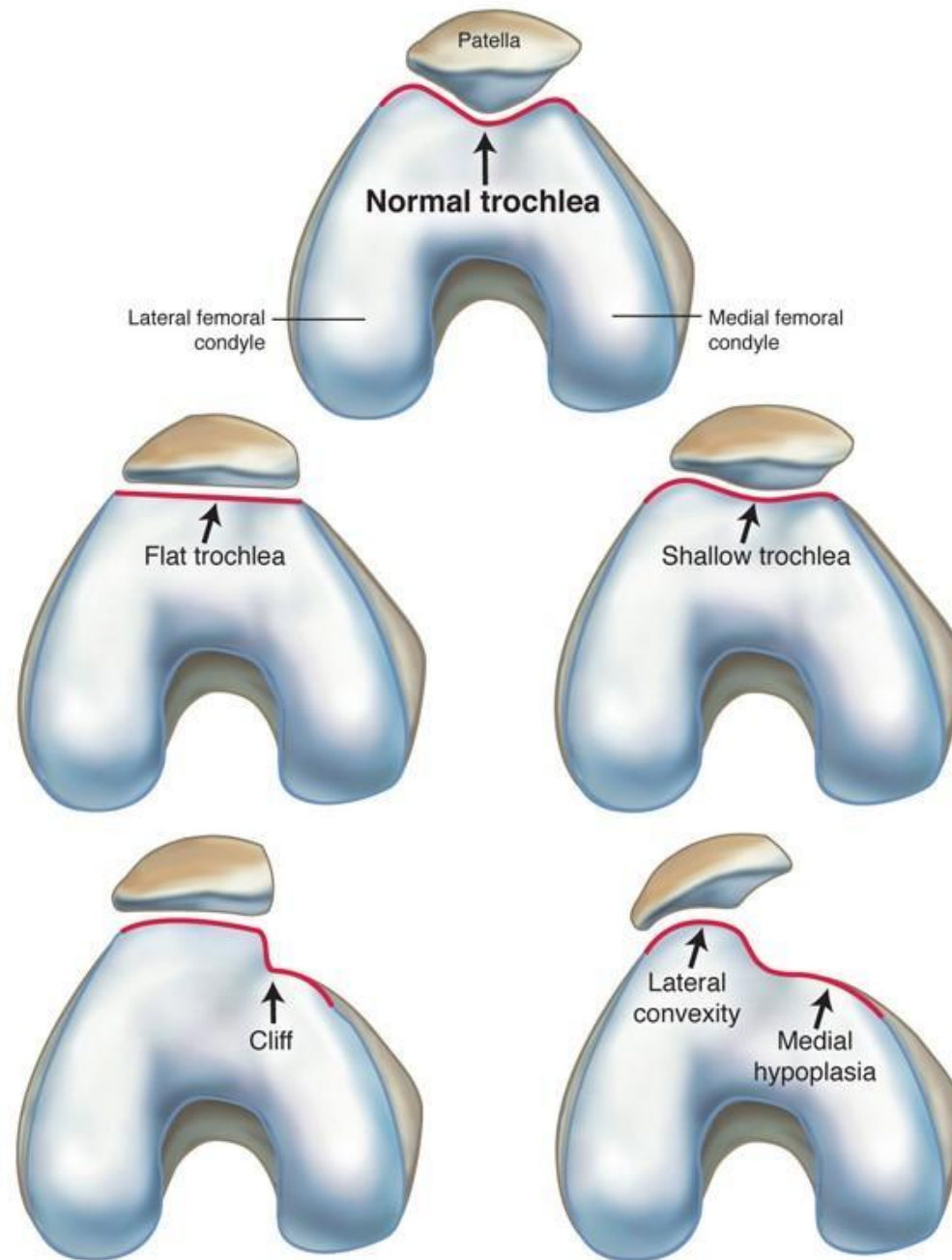
doi: 10.1007/s00167-022-07255-1. Epub 2023 Feb 28.

Trochlea dysplasia, increased TT–TG distance and patella alta are risk factors for developing first-time and recurrent patella dislocation: a systematic review

Oddrún Danielsen¹, Turið Akraberg Poulsen², Niclas Højgaard Eysturoy²,
Elinborg Sólbjörg Mortensen², Per Hölmich³, Kristoffer Weisskirchner Barfod³

Affiliations + expand

PMID: 36854995 DOI: 10.1007/s00167-022-07255-1





Endamál





Endamálið við verkætlanini er at kanna:

- **Títtleikan** av knæskelja-keikingum og trochlea dysplasi hjá ungum í Føroyum
 - **Etiologi** – er trochlea dysplasi arvaligt?
 - **Ávirkan** á kropsligar førleikar og lívsgóðsku



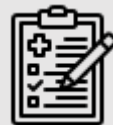


Metoda





Øll 15-19 ára gomul





Øll 15-19 ára gomul



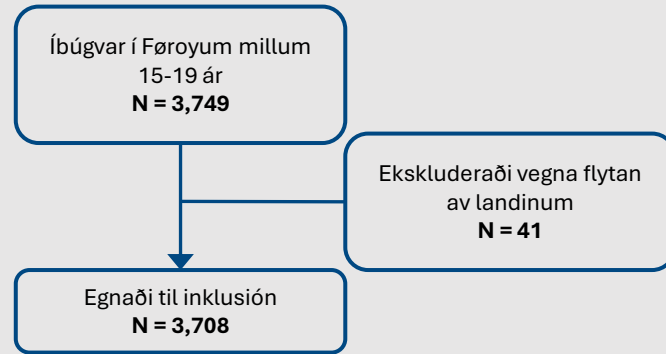


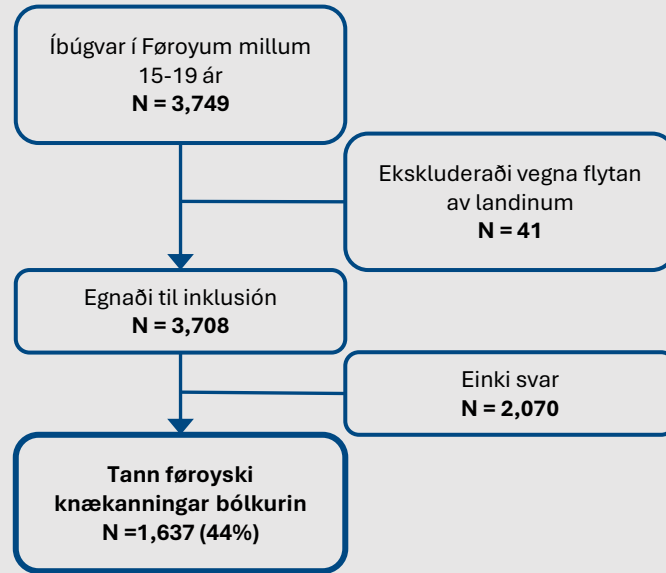
Øll 15-19 ára gomul

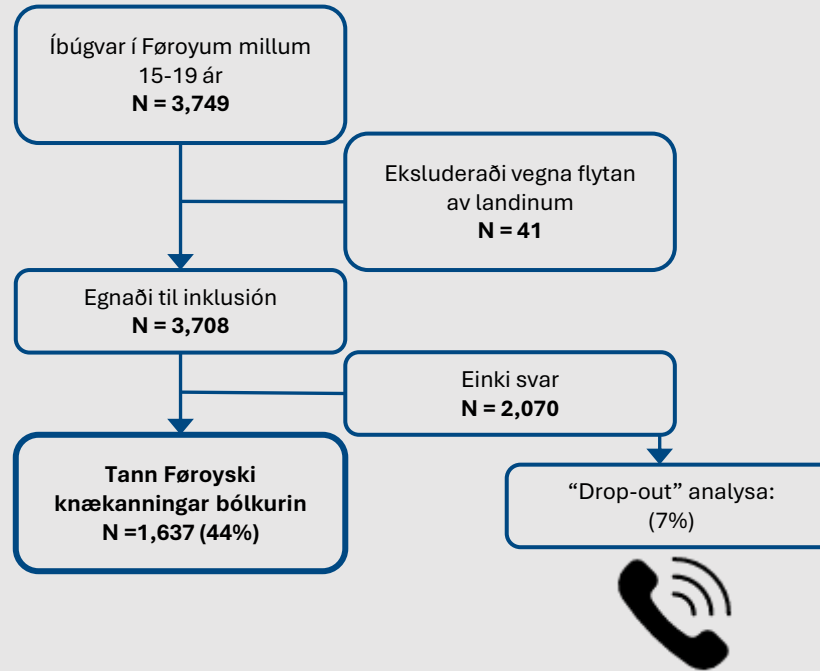


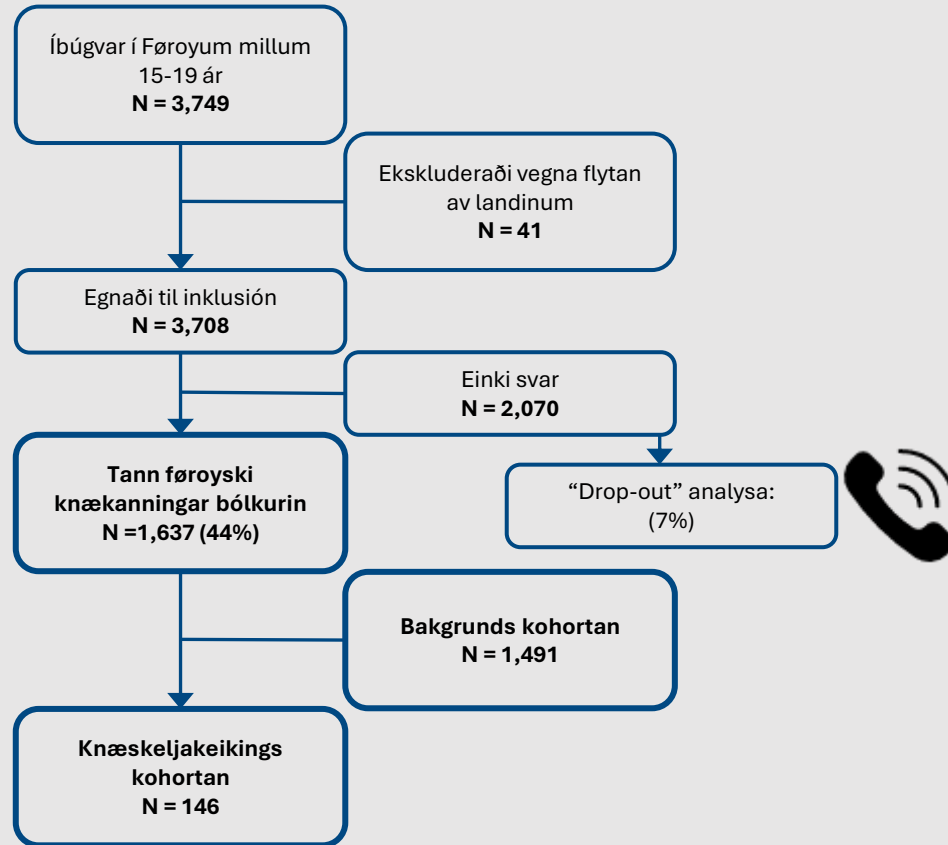
MRI
Bilateral

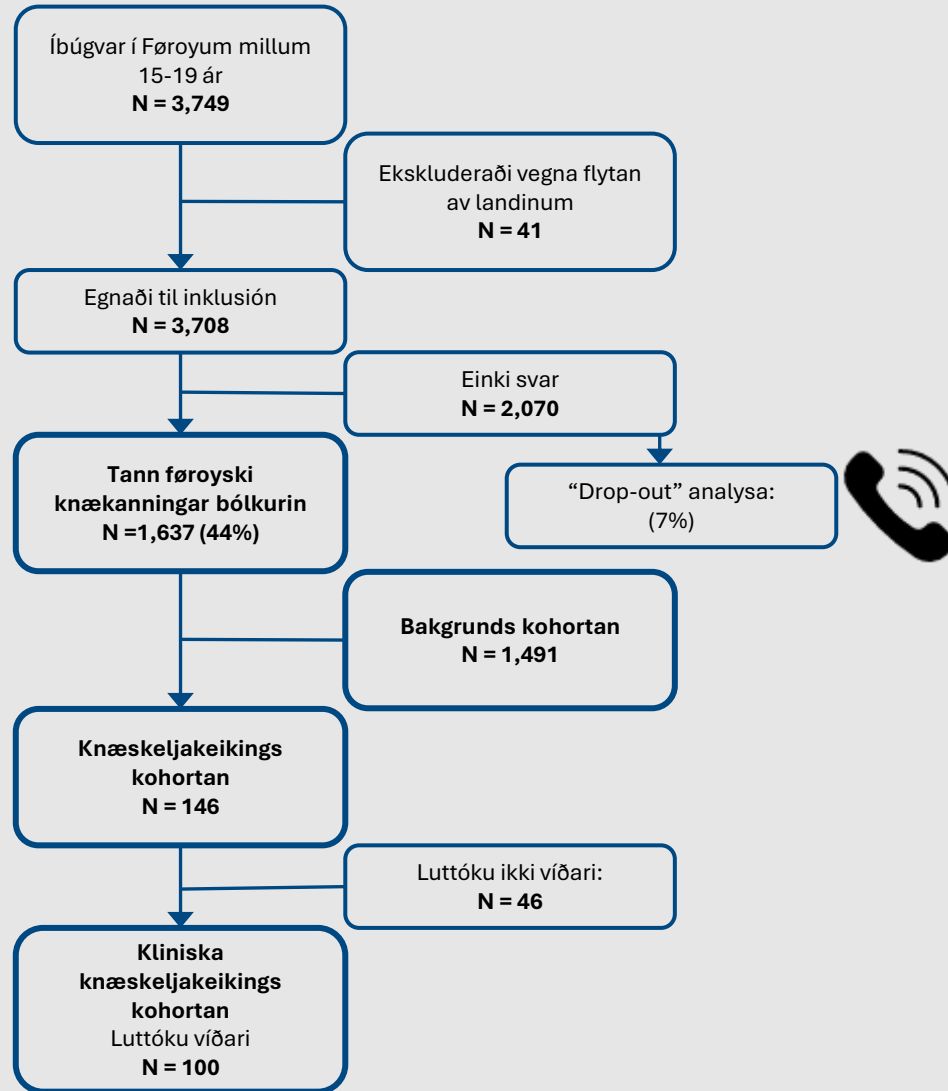














	Bakgrunds kohortan N = 1,491	Knæskeljakeikings kohortan N = 146
Male – no (%)	752 (50)	63 (43)
Age – years ($\pm$ SD)	17.9 (1.4)	17.9 (1.36)
Height – cm ($\pm$ SD)	173.0 (10.2)	173.0 (9.0)
Weight – kg ($\pm$ SD)	70.4 (15.3)	73.5 (18.5)
Sports – yes (%)	879 (59)	72 (50)
Sport - hours/week ($\pm$ SD)	2.9 (0.8)	2.8 (1.0)
Pivoting sport -yes (%)	520 (37)	40 (36)
Smoker – yes (%)	135 (9)	29 (20)





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Úrslit





Títtleiki av knæskeljakeiking og trochlea dysplasi

Nationalur prevalensur av knæskeljakeiking

$$\frac{\text{Knæskeljakeikings kohortan } N = 146}{\text{Tann føroyski knækanningar bólkurin } N = 1,637} = 8,9\%$$

Nationalur prevalensur av trochlea dysplasi

$$\frac{\begin{array}{l} \text{Knæskeljakeikings kohortan } N = 146 \\ \text{Trochlea dysplasi } N = 76 \end{array}}{\text{Tann føroyski knækanningar bólkurin } N = 1,637} = \approx 7\%$$

Prevalensur of trochlea dysplasi hjá teimum við knæskeljakeiking

$$\frac{\text{Trochlea dysplasi } N = 76}{\text{Kliniska knæskeljakeikings kohortan } N = 100} = 76\%$$





Títtleiki av knæskeljakeiking og trochlea dysplasi

Nationalur prevalensur av knæskeljakeiking

$$\begin{array}{|c|} \hline \text{Knæskeljakeikings} \\ \text{kohortan} \\ \text{N = 146} \\ \hline \end{array} \div \begin{array}{|c|} \hline \text{Tann føroyski} \\ \text{knækanningar bólkurin} \\ \text{N = 1,637} \\ \hline \end{array} = 8,9\% \times 7$$





Títtleiki av knæskeljakeiking og trochlea dysplasi



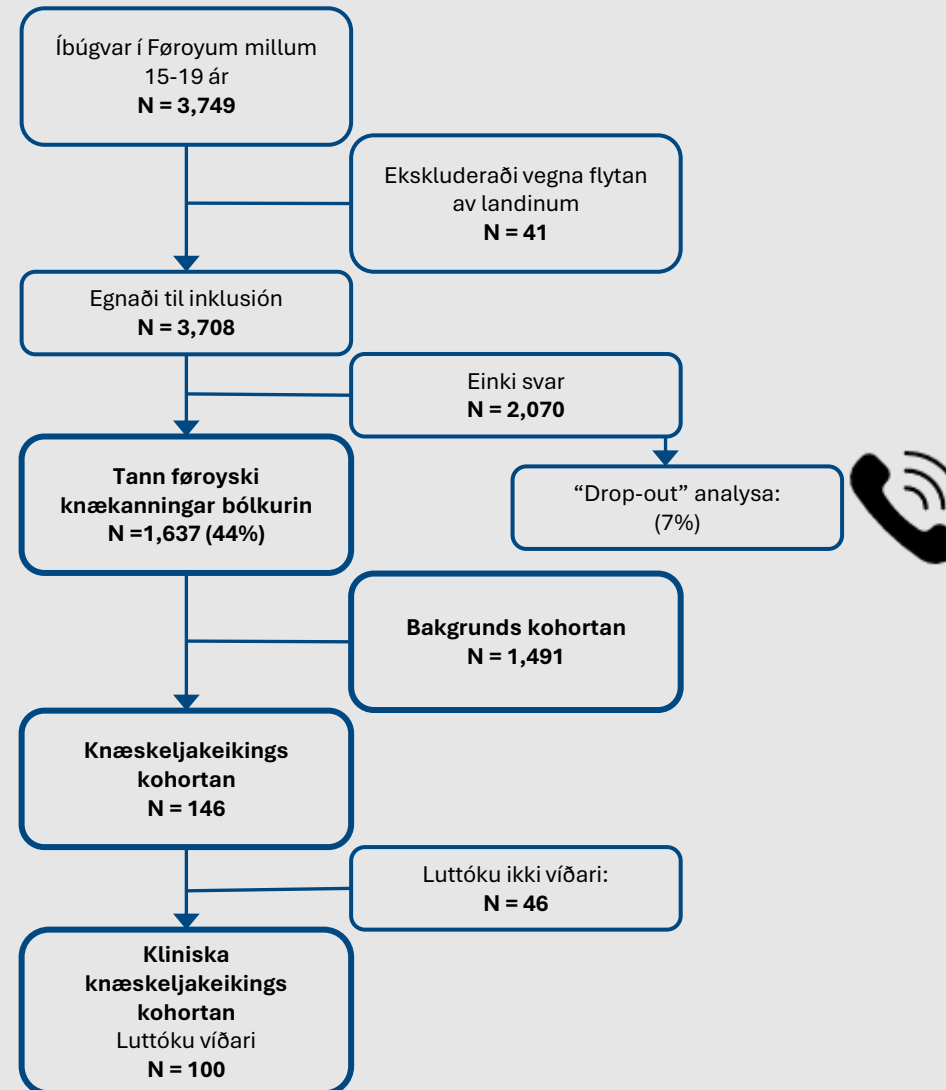
Nationalur prevalensur av knæskeljakeiking

$$\begin{array}{|c|} \hline \text{Knæskeljakeikings} \\ \text{kohortan} \\ \text{N = 146} \\ \hline \end{array} \div \begin{array}{|c|} \hline \text{Tann føroyski} \\ \text{knækanningar bólkurin} \\ \text{N = 1,637} \\ \hline \end{array} = 8,9\% \times 7$$



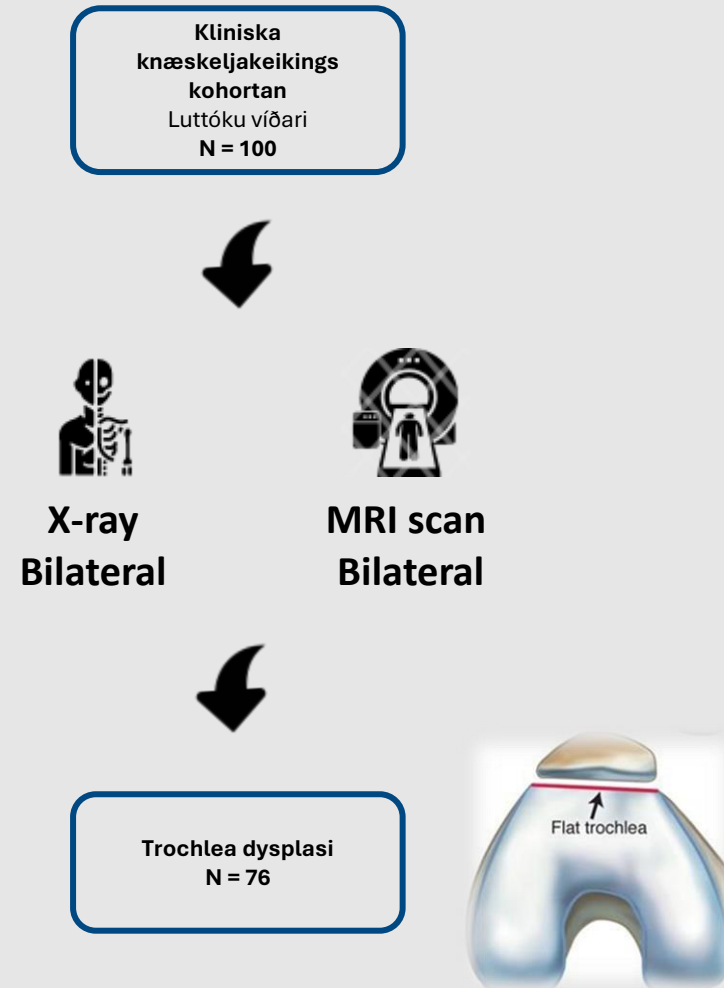


Etiologi – er trochlea dysplasi arvaligt?





Etiologi – er trochlea dysplasi arvaligt?





Etiologi – er trochlea dysplasi arvaligt?

Trochlea dysplasi
N = 76

Skyldskaparkvotientur



Ættartalva





Etiologi – er trochlea dysplasi arvaligt?

Skyldskaparkvotientur – Ein máting av ættarbondum

Sannlíkindini fyri, at tveir homologar allellir, tiknir tilvildarliga frá tveimum einstaklingum, eru eins vegna ættarfylgju.

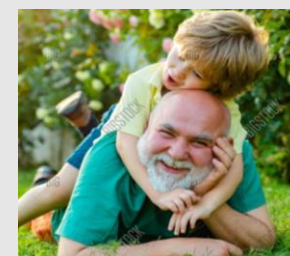
KC = 1.0



KC = 0.5



KC = 0.25





Etiologi – er trochlea dysplasi arvaligt?

Skyldskaparkvotientur



0.0010





Etiologi – er trochlea dysplasi arvaligt?

Skyldskaparkvotientur



0.0010



Trochlea dysplasi
N = 76

0.0033





Etiologi – er trochlea dysplasi arvaligt?

Ættartalvan



Trochlea dysplasi
N = 76





Etiologi – er trochlea dysplasi arvaligt?

Ættartalvan



Trochlea dysplasi
N = 76



55/76

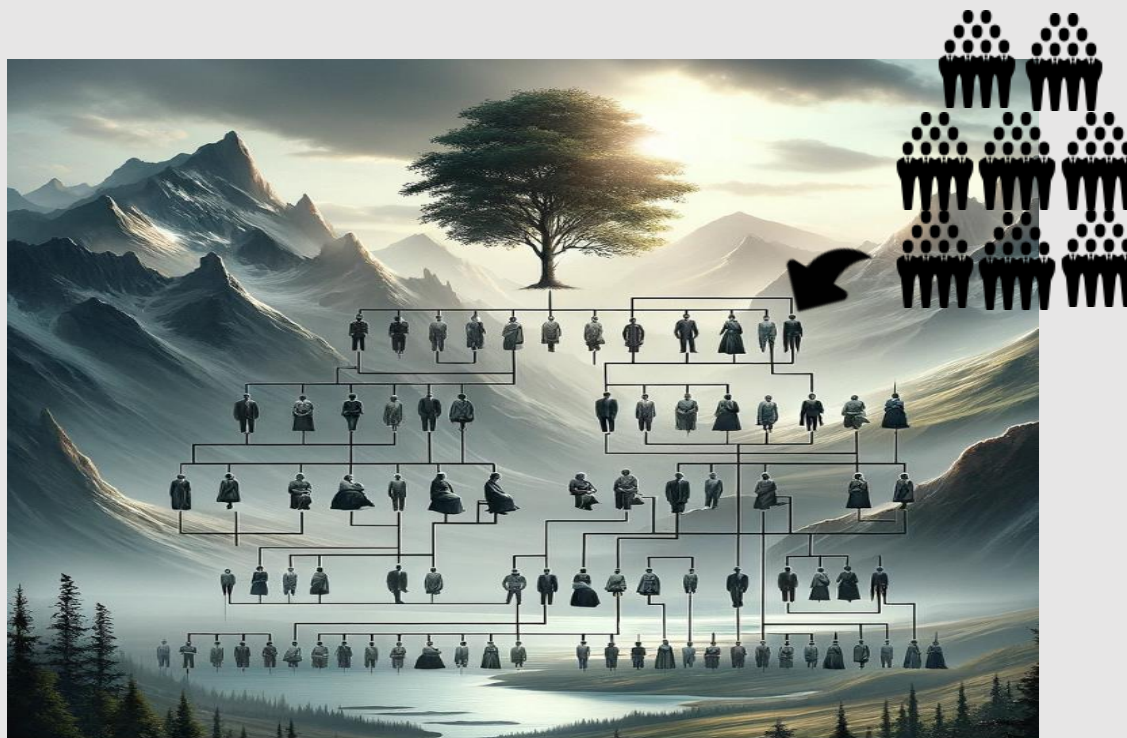
Vísindavøka 27. septembur 2024





Etiologi – er trochlea dysplasi arvaligt?

Ættartalvan



55/76

Vísindavøka 27. septembur 2024





Knæskeljakeiking og trocheladysplasi - Hvussu hava tey tað?





Knæskeljakeiking og trocheladysplasi - Hvussu hava tey tað?

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Knæskeljakeiking og trocheladysplasi - Hvussu hava tey tað?

Banff 2.0



Kujala



Marx



EQ-5D-5L





Knæskeljakeiking og trocheladysplasi - Hvussu hava tey tað?

	Bakgrunds kohortan N =974	Knæskeljakeikings kohortan N = 102	Trochlea Dysplasi kohortan N = 57	
BPII score – median (lower/upper quartiles)	96.5 (85.1/99.7)	66.6 (44.5/88.8)	62.9 (38.7/90.2)	
Kujala score– median (lower/upper quartiles)	97.0 (89/100)	82.5 (69/91)	84.0 (67/92)	
MARX score– median (lower/upper quartiles)	8 (2/13)	7 (4/12)	7 (4/12)	
EQ-5D-5L index score– median (lower/upper quartiles)	0.94 (0.88/1.0)	0.89 (0.78/1.0)	0.92 (0.78/1.0)	
EQ-5D VAS score– median (lower/upper quartiles)	79 (69/88)	76 (62/87)	74 (62/87)	





Knæskeljakeiking og trocheladysplasi - Hvussu hava tey tað?

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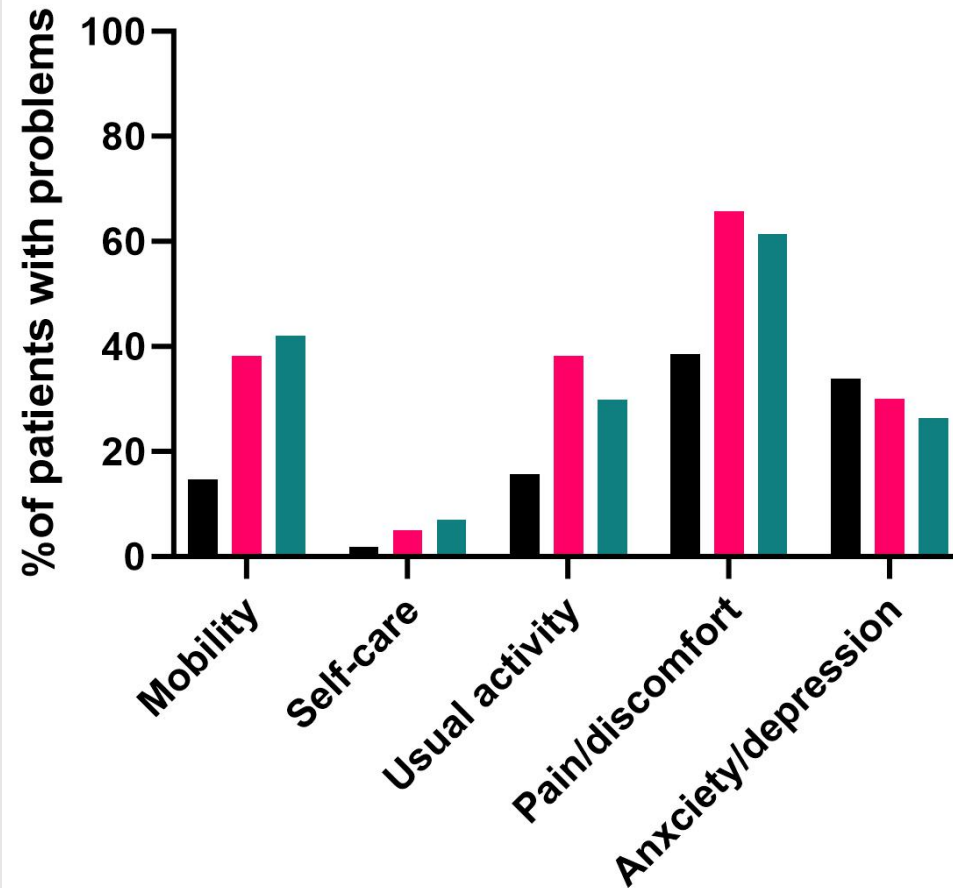


Bakgrunds
kohortan
N =974

Knæskeljakeikings
kohortan
N =102

Trochela Dysplasia
kohortan
N = 57

EQ-5D-5L Dimensions





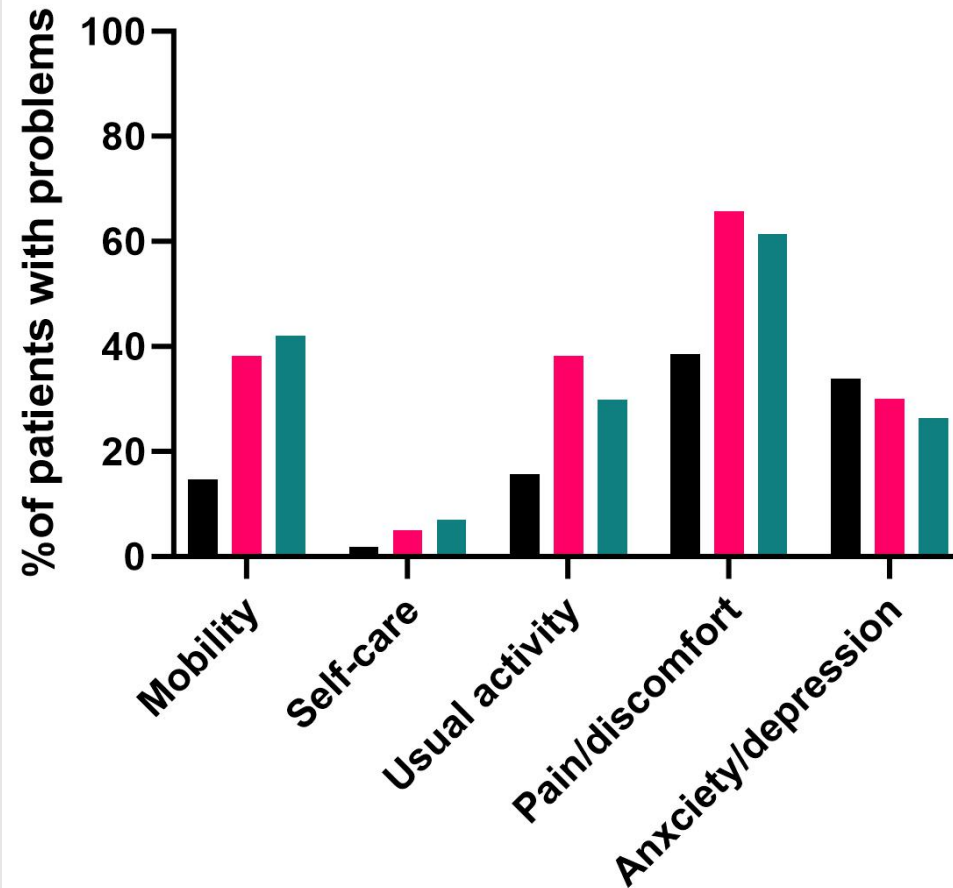
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**Trochela Dysplasia
kohortan
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EQ-5D-5L Dimensions





Niðurstøða





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- Títtleikin av knæskeljakeiking í Føroyum er 7 ferðir so høgur sum í restini av heiminum
- Títtleikin av trochlea dysplasi er høgur





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- Títtleikin av trochlea dysplasi er høgur
- Tað tykist at vera ein týðulig arvaligheit av trocheladysplasi í Føroyum
- Knæskeljakeiking ávirkar lívsgóðsku og kropsligar førleikar sera nógv hjá ungum føroyingum.



Hvat førir hetta so til av broytingum?

ESSKA Consensus Guidelines

- Arvaligheit verður nú formelt roknað sum ein risiko-faktorur fyri knæskeljakeiking
- Ung folk við knæskeljakeiking verða útgreinað og skurðviðgjørd skjótari enn áður



Review > [Knee Surg Sports Traumatol Arthrosc.](#) 2023 Sep;31(9):3701-3733.
doi: 10.1007/s00167-022-07265-z. Epub 2023 Jan 11.

Familial association and epidemiological factors as risk factors for developing first time and recurrent patella dislocation: a systematic review and best knowledge synthesis of present literature

Oddrún Danielsen ¹, Turið Akraberg Poulsen ², Niclas Højgaard Eysturoy ², Elinborg Sólbjørg Mortensen ², Per Hölmich ³, Kristoffer Weisskirchner Barfod ³

Affiliations + expand
PMID: 36629887 DOI: [10.1007/s00167-022-07265-z](#)

8-10 MAY 2024 | MILAN, ITALY



Tann føroyski knækanningarbólkurin

- 30 ára uppfylgjan um møguligt
- Árlig spurnarskema til luttakarar um lívsgóðsku og kropsligar førleikar
- Røntgen av knøum 5. hvørt ár fyri at staðfesta møguliga slitgikt

