

Dokumentasjon av litteratursøk for fagprosedyrer

Søk skal dokumenteres på en slik måte at de kan reproduseres nøyaktig slik de ble gjennomført. Dato for søk skal alltid oppgis. Antall treff oppgis der det er relevant.

Prosedyrens tittel	Diettbehandling til barn og ungdom med epilepsi, Glut 1-mangel og PDH- mangel
Spørsmål fra PICO-skjema	Hva er optimal behandling med ketogen diett til barn og ungdom med epilepsi, Glut 1-mangel og PDH- mangel ?
Kontaktdetaljer prosedyremakere	Navn: Kathrine C. Haavardsholm, Klinisk ernæringsfysiolog Cand.scient. Seksjon for barn og ungdom, Spesialsykehuset for epilepsi, SSE Oslo universitetssykehus HF E-post: kathaa@ous-hf.no Tlf: 67 50 14 23
Bibliotekar som utførte eller veiledet søket	Navn: Gunn Kleven, Arbeidssted: UiO: Universitetsbibliteket, Medisinks bibliotek E-post: Gunn.Kleven@ub.uio.no Tlf: 230 74427
Kommentarer	Dette er en oppdatering av søk fra 20.08.2013, se vedlagt tidligere dokumentasjon av litteratursøk i fagprosedyren

Obligatoriske kilder er merket (obligatorisk). Slett gjerne bokser for kilder det ikke er søkt i, og legg eventuelt til nye bokser for kilder som er søkt i tillegg. Nederst i skjemaet er en tom boks som kan kopieres og limes inn andre steder.

Retningslinjer og kliniske oppslagsverk

Database/kilde	Fagprosedyrer som er godkjent i de enkelte helseforetak på fagprosedyrer.no (obligatorisk)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Leste gjennom titlene på listen over ferdige og påbegynte fagprosedyrer under Emnene: Ernæring og Nevrologi Søk: ketogen diett, atkins Ingen relevante treff
Kommentarer	

Database/kilde	Nasjonale faglige retningslinjer, veiledere, prioriteringsveiledere og pakkeforløp fra Helsedirektoratet (obligatorisk)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Søk: epilepsi, ketogen diett, atkins , glut1 Ingen relevnate
Kommentarer	

Database/kilde	UpToDate (obligatorisk)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Ketogenic diet

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	Treffliste Ketogenic diet: https://bit.ly/2YuoFzz The ketogenic diet and other dietary therapies for the treatment of epilepsy (oppdatert april 2019) http://www.uptodate.com/contents/1750
Patient Education	Ingen
Kommentarer	

Database/kilde	BMJ Best Practice (obligatorisk)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Søk: ketogenic diet Treffliste: https://bestpractice.bmj.com/search?q=ketogenic%20diet Se under «Treatment algorithm» på de ulike epilepsi/seizures: Generalised seizures in children: Management (Ketogenic diet): http://bestpractice.bmj.com/best-practice/monograph/788/treatment/details.html Absence seizures (Management: GLUT1 deficiency, a ketogenic diet is recommended): http://bestpractice.bmj.com/best-practice/monograph/115/treatment/details.html#expsec-691950 Focal seizures (Step by step under Management): http://bestpractice.bmj.com/best-practice/monograph/544/treatment/details.html#expsec-14
Patient leaflets	Ingen
Kommentarer	

Database/kilde	DynaMed Plus
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Søk: Ketogenic diet Ketogenic diet in children http://www.dynamed.com/topics/dmp~AN~T270057/Ketogenic-diet-in-children Ketogenic diet in adults http://www.dynamed.com/topics/dmp~AN~T316430/Ketogenic-diet-in-adults
Kommentarer	

Database/kilde	Nursing Reference Center (Evidence Based Care Sheets, Skills og Patient Handouts)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	(ketogenic diet* OR low carbohydrate diet* OR atkin* diet*) AND (epilep* OR seizure* OR glut1 OR Glucose Transporter Type 1 OR pdh OR Pyruvate Dehydrogenase Complex Deficiency Disease)
Antall treff:	Evidence Based Care Sheets (12) Skills (4) Patient Handouts (12)
Kommentarer	Treffene i EndNote-biblioteket

Database/kilde	NICE Guidance (UK) (obligatorisk)
Dato for søk	13.05.2019

Dokumentasjon av litteratursøk for fagprosedyrer

Søkehistorie eller fremgangsmåte	NICE Guidance > Conditions and diseases > Neurological conditions > Epilepsy > Søk: ketogenic diet, atkins, Carbohydrate-Restricted diet 1 relevant treff: Epilepsies: diagnosis and management (oppdatert april 2018) https://www.nice.org.uk/guidance/cg137
Kommentarer	

Database/kilde	Helsebibliotekets retningslinjer og veiledere
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Leste gjennom titlene under retningslinjer og veiledere: Ernæring og Nevrologi > Epilepsi Kunnskapsbasert retningslinje om epilepsi (se Behandling > Ketogen diett https://www.epilepsibehandling.no/index.php?action=showtopic&topic=qE8ypevf GLUT1-mangelsykdom - anbefalt oppfølging og behandling https://bit.ly/2WEZmu0 Pediatriveiledere 11.8 Ketogen diett https://bit.ly/2CKH4zU
Kommentarer	

Database/kilde	Socialstyrelsen, Nationella riktlinjer (SE)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Så gjennom titlene på listen over nationella riktlinjer Nationella riktlinjer för vård vid epilepsi (oppdatert 2019) http://www.socialstyrelsen.se/riktlinjer/nationellariktlinjer/epilepsi
Kommentarer	

Database/kilde	Sundhedsstyrelsen, Nationale kliniske retningslinjer (DK)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Så gjennom titlene på listen over alle nationale kliniske retningslinjer Udredning og behandling af epilepsi hos børn og unge (2015) https://bit.ly/2w18oXd
Kommentarer	

Database/kilde	Center for kliniske retningslinjer (DK)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	Så gjennom titlene på listen over Nationale kliniske retningslinjer, Udgivelser og Igangværende Ingen relevante
Kommentarer	

Database/kilde	International League Against Epilepsy (ILAE)
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	LILAE Guidelines & Reports https://www.ilae.org/guidelines/guidelines-and-reports Haket av for Ketogenic Diet (All) i venstremenyen

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	2 nye treff: Optimal clinical management of children receiving dietary therapies for epilepsy: 2018 Updated recommendations of the International Ketogenic Diet Study Group What are the minimum requirements for ketogenic diet services in resource-limited regions? Recommendations from the International League Against Epilepsy Task Force for Dietary Therapy (2015) http://onlinelibrary.wiley.com/doi/10.1111/epi.13039/abstract
Kommentarer	

Database/kilde	Retningslinjer I Ovid MEDLINE(R) ALL 1946 to May 11, 2019		
Dato for søk	14.05.2019		
Søkehistorie eller fremgangsmåte	#	Searches	Results
	1	exp Epilepsy/	106697
	2	(epilep* or seizure* or convulsion*).tw,kf.	197054
	3	Pyruvate Dehydrogenase Complex Deficiency Disease/	385
	4	(pyruvate adj4 (dehydrogenase or decarboxylase) adj4 (deficienc* or disease* or defect*)).tw,kf.	484
	5	((pdh* or dlat or dld) adj3 (deficienc* or disease* or defect*)).tw.	266
	6	pdha1.tw.	161
	7	"Pyruvate Dehydrogenase (Lipoamide)"/df [Deficiency]	17
	8	Dihydrolipoamide Dehydrogenase/df [Deficiency]	61
	9	(atax* adj3 (lact* acidosis or lactacidosis or pyruvate metabolism)).tw,kf.	25
	10	Glucose Transporter Type 1/df, ge [Deficiency, Genetics]	951
	11	Glucose Transporter Type 1/	3837
	12	(glut1 or glut 1 or SLC2A1).tw,kf.	6173
	13	(glucose adj5 transporter adj5 type 1).tw,kf.	247
	14	or/11-13	6911
	15	(deficiency or ds).tw.	293646
	16	and/14-15	448
	17	or/1-10,16	215643
	18	Ketogenic Diet/	1063
	19	diet, carbohydrate-restricted/ or diet, high-protein low-carbohydrate/	1424
	20	exp Ketones/ or Ketosis/	99036
	21	((carbohydrat* or glycemic index) adj3 (low or restrict*)).tw,kf.	5555
	22	((((ketogenic* or atkin* or mct*) adj3 diet*) or lgit).tw,kf.	2840
	23	(medium adj4 chain adj4 triglyceride* adj4 diet*).tw,kf.	533
	24	or/18-23	106979
	25	and/17,24	2681
	26	exp Epilepsy/dh [Diet Therapy]	769
	27	or/25-26	2765
	28	guideline/ or practice guideline/	31915
	29	guideline*.ti.	71011
	30	or/28-29	89631

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	31	and/27,30	14
	32	limit 31 to (danish or english or norwegian or swedish)	12
	33	limit 32 to ed=20130820-20190513	3
Antall treff	3		
Kommentarer	Treffene i EndNote-biblioteket		

Systematiske oversikter

Database/kilde	The Cochrane Library (obligatorisk)																																																																							
Dato for søk	13.05.2019																																																																							
Søkehistorie	<table><tr><td>#1</td><td>MeSH descriptor: [Epilepsy] explode all trees</td><td>2186</td></tr><tr><td>#2</td><td>MeSH descriptor: [Seizures] explode all trees</td><td>920</td></tr><tr><td>#3</td><td>MeSH descriptor: [Anticonvulsants] explode all trees</td><td>2317</td></tr><tr><td>#4</td><td>epilep* or seizure* or anticonvul* or antiepilep*:ti,ab,kw (Word variations have been searched)</td><td>14837</td></tr><tr><td>#5</td><td>MeSH descriptor: [Glucose Transporter Type 1] explode all trees</td><td>11</td></tr><tr><td>#6</td><td>glucose near transporter near type 1:ti,ab,kw (Word variations have been searched)</td><td>95</td></tr><tr><td>#7</td><td>glut1 or glut near 1 or SLC2A1:ti,ab,kw (Word variations have been searched)</td><td>83</td></tr><tr><td>#8</td><td>Glucose Transporter Type 1:ti,ab,kw (Word variations have been searched)</td><td>1197</td></tr><tr><td>#9</td><td>{or #5-#8}</td><td>660</td></tr><tr><td>#10</td><td>deficiency or ds:ti,ab,kw (Word variations have been searched)</td><td>27391</td></tr><tr><td>#11</td><td>{and #9-#10}</td><td>13</td></tr><tr><td>#12</td><td>MeSH descriptor: [Pyruvate Dehydrogenase Complex Deficiency Disease] explode all trees</td><td>4</td></tr><tr><td>#13</td><td>pyruvate near (dehydrogenase or decarboxylase) near (deficiency or disease*):ti,ab,kw (Word variations have been searched)</td><td>9</td></tr><tr><td>#14</td><td>(pdh or pdhc) near (deficiency or disease*):ti,ab,kw (Word variations have been searched)</td><td>4</td></tr><tr><td>#15</td><td>atax* near (lact* acidosis or lactacidosis or pyruvate metabolism):ti,ab,kw (Word variations have been searched)</td><td>16</td></tr><tr><td>#16</td><td>(#1 or #2 or #3 or #4 or #11 or #12 or #13 or #14 or #15)</td><td>14886</td></tr><tr><td>#17</td><td>MeSH descriptor: [Diet, Carbohydrate-Restricted] explode all trees</td><td>366</td></tr><tr><td>#18</td><td>MeSH descriptor: [Diet, Ketogenic] explode all trees</td><td>44</td></tr><tr><td>#19</td><td>carbohydrat* near/3 (low or restrict*):ti,ab,kw (Word variations have been searched)</td><td>1683</td></tr><tr><td>#20</td><td>((ketogenic* or atkin* or mct*) near/3 diet*) or lgit:ti,ab,kw (Word variations have been searched)</td><td>418</td></tr><tr><td>#21</td><td>medium near chain near triglyceride* near diet*:ti,ab,kw (Word variations have been searched)</td><td>54</td></tr><tr><td>#22</td><td>{or #17-#21}</td><td>2003</td></tr><tr><td>#23</td><td>(#16 and #22) with Cochrane Library publication date Between Jan 2013 and May 2019</td><td>133</td></tr></table>			#1	MeSH descriptor: [Epilepsy] explode all trees	2186	#2	MeSH descriptor: [Seizures] explode all trees	920	#3	MeSH descriptor: [Anticonvulsants] explode all trees	2317	#4	epilep* or seizure* or anticonvul* or antiepilep*:ti,ab,kw (Word variations have been searched)	14837	#5	MeSH descriptor: [Glucose Transporter Type 1] explode all trees	11	#6	glucose near transporter near type 1:ti,ab,kw (Word variations have been searched)	95	#7	glut1 or glut near 1 or SLC2A1:ti,ab,kw (Word variations have been searched)	83	#8	Glucose Transporter Type 1:ti,ab,kw (Word variations have been searched)	1197	#9	{or #5-#8}	660	#10	deficiency or ds:ti,ab,kw (Word variations have been searched)	27391	#11	{and #9-#10}	13	#12	MeSH descriptor: [Pyruvate Dehydrogenase Complex Deficiency Disease] explode all trees	4	#13	pyruvate near (dehydrogenase or decarboxylase) near (deficiency or disease*):ti,ab,kw (Word variations have been searched)	9	#14	(pdh or pdhc) near (deficiency or disease*):ti,ab,kw (Word variations have been searched)	4	#15	atax* near (lact* acidosis or lactacidosis or pyruvate metabolism):ti,ab,kw (Word variations have been searched)	16	#16	(#1 or #2 or #3 or #4 or #11 or #12 or #13 or #14 or #15)	14886	#17	MeSH descriptor: [Diet, Carbohydrate-Restricted] explode all trees	366	#18	MeSH descriptor: [Diet, Ketogenic] explode all trees	44	#19	carbohydrat* near/3 (low or restrict*):ti,ab,kw (Word variations have been searched)	1683	#20	((ketogenic* or atkin* or mct*) near/3 diet*) or lgit:ti,ab,kw (Word variations have been searched)	418	#21	medium near chain near triglyceride* near diet*:ti,ab,kw (Word variations have been searched)	54	#22	{or #17-#21}	2003	#23	(#16 and #22) with Cochrane Library publication date Between Jan 2013 and May 2019	133
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Antall treff	Cochrane Reviews (11) Clinical Answers (0)																																																																							
Kommentarer	Treffene i EndNote-biblioteket																																																																							

Database/kilde	Epistemonikos (obligatorisk)
Dato for søk	

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Søkehistorie eller fremgangsmåte	Advanced Search. Søkt i «Title OR Abstract»: ("ketogenic diet" OR "ketogenic diets" OR "low carbohydrate diet" OR "low carbohydrate diets" OR "carbohydrate restricted diet" OR "carbohydrate restricted diets" OR "atkin diet" OR "atkins diet") AND (epilep* OR seizure* OR glut1 OR "Glucose Transporter Type 1" OR pdh OR "Pyruvate Dehydrogenase Complex Deficiency Disease") Avgrenset fra 2013
Antall treff	Broad Synthesis (0) Structured summary (0) Systematic review (49)
Kommentarer	Treffene i EndNote-biblioteket

Database/kilde	Folkehelseinstituttet - rapporter og trykksaker
Dato for søk	13.05.2019
Søkehistorie eller fremgangsmåte	epilepsi, glut1, pdh, pyruvat dehydrogenasemangel, ketogen diett, atkins, diett Ingen relevante
Kommentarer	

Database/kilde	Systematic Reviews I Ovid MEDLINE(R) ALL 1946 to May 11, 2019																																																																							
Dato for søk	14.05.2019																																																																							
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	28	guideline/ or practice guideline/	31915
	29	guideline*.ti.	71011
	30	or/28-29	89631
	31	and/27,30	14
	32	limit 31 to (danish or english or norwegian or swedish)	12
	33	limit 32 to ed=20130820-20190513	3
	34	Meta Analysis.pt. or "Meta-Analysis as Topic"/ or (Review.pt. and (pubmed or medline).ti,ab.) or ((systematic* or literature) adj3 (overview or review* or search*).ti,ab,kf. or (meta-anal* or metaanal* or meta-regression* or umbrella review* or overview of reviews or review of reviews or (evidence* adj2 synth*) or synthesis review*).ti,ab,kf.	556596
	35	and/27,34	123
	36	limit 35 to (danish or english or norwegian or swedish)	112
	37	limit 36 to ed=20130820-20190513	51
Antall treff	51		
Kommentarer	Treffene i EndNote-biblioteket		

Primærstudier

Database/kilde	Ovid MEDLINE(R) ALL 1946 to May 10, 2019		
Dato for søk	13.05.2019		
Søkehistorie	#	Searches	Results
	1	exp Epilepsy/	106697
	2	(epilep* or seizure* or convulsion*).tw,kf.	197054
	3	Pyruvate Dehydrogenase Complex Deficiency Disease/	385
	4	(pyruvate adj4 (dehydrogenase or decarboxylase) adj4 (deficienc* or disease* or defect*).tw,kf.	484
	5	((pdh* or dlat or dld) adj3 (deficienc* or disease* or defect*).tw.	266
	6	pdha1.tw.	161
	7	"Pyruvate Dehydrogenase (Lipoamide)"/df [Deficiency]	17
	8	Dihydrolipoamide Dehydrogenase/df [Deficiency]	61
	9	(atax* adj3 (lact* acidosis or lactacidosis or pyruvate metabolism)).tw,kf.	25
	10	Glucose Transporter Type 1/df, ge [Deficiency, Genetics]	951
	11	Glucose Transporter Type 1/	3837
	12	(glut1 or glut 1 or SLC2A1).tw,kf.	6173
	13	(glucose adj5 transporter adj5 type 1).tw,kf.	247
	14	or/11-13	6911
	15	(deficiency or ds).tw.	293646

Dokumentasjon av litteratursøk for fagprosedyrer

16	and/14-15	448
17	or/1-10,16	215643
18	Ketogenic Diet/	1063
19	diet, carbohydrate-restricted/ or diet, high-protein low-carbohydrate/	1424
20	exp Ketones/ or Ketosis/	99036
21	((carbohydrat* or glycemic index) adj3 (low or restrict*)).tw,kf.	5555
22	((ketogenic* or atkin* or mct*) adj3 diet*) or lgit).tw,kf.	2840
23	(medium adj4 chain adj4 triglyceride* adj4 diet*).tw,kf.	533
24	or/18-23	106979
25	and/17,24	2681
26	exp Epilepsy/dh [Diet Therapy]	769
27	or/25-26	2765
28	guideline/ or practice guideline/	31915
29	guideline*.ti.	71011
30	or/28-29	89631
31	and/27,30	14
32	limit 31 to (danish or english or norwegian or swedish)	12
33	limit 32 to ed=20130820-20190513	3
34	Meta Analysis.pt. or "Meta-Analysis as Topic"/ or (Review.pt. and (pubmed or medline).ti,ab.) or ((systematic* or literature) adj3 (overview or review* or search*)).ti,ab,kf. or (meta-anal* or metaanal* or meta-regression* or umbrella review* or overview of reviews or review of reviews or (evidence* adj2 synth*) or synthesis review*).ti,ab,kf.	556596
35	and/27,34	123
36	limit 35 to (danish or english or norwegian or swedish)	112
37	limit 36 to ed=20130820-20190513	51
38	((randomi?ed controlled trial or controlled clinical trial).pt. or (randomi?ed or placebo or randomly).ab. or trial.ti. or clinical trials as topic.sh.) not (Animals/ not Humans/)	1149110
39	and/27,38	200
40	limit 39 to (danish or english or norwegian or swedish)	179
41	limit 40 to ed=20130820-20190513	56
42	41 not 37	39
Antall treff	39	
Kommentarer	Treffene i EndNote-biblioteket	