

Dokumentasjon av litteratursøk for VBP

Til søk for VBP utfører vi søk i de basene som er beskrevet nedenfor, dette etter avtale med Klinisk Dokumentasjon Sykepleie (KDS) - DP Løsning Regional EPJ.

Problemstilling	Hvordan følge opp pasienter som behandles med ketogen diett, for at de skal ha en best mulig hverdag?
Bibliotekar som utførte/veiledet søket:	Gunn Kleven, UiO: Universitetsbiblioteket, Medisinsk bibliotek Gunn.Kleven@ub.uio.no
Kontaktperson/avd.	Monica Randal Evensen, Spesialsykehuset for epilepsi, Seksjon for barn og ungdom Tlf: 67501402 monran@ous-hf.no
Dato for søk:	2.-3. januar 2019, oppdatert 1.-2. august 2022
Navn VBP	Epilepsi – Ketogen diett oppfølging

Database/ressurs:	Fagprosedyrer som er lokalt utviklet og godkjent i de enkelte helseforetak (på nettsiden til Helsebiblioteket)
Søkehistorie:	Sett gjennom titlene under emnene: Nevrologi og Ernæring Søk: epilepsi, ketogen diett
Treff:	Ingen relevante

Database/ressurs:	VAR HEALTHCARE (tidligere PPS - Praktiske prosedyrer i sykepleietjenesten)
Søkehistorie:	Dere ser selv i E-håndboka -> Kunnskapskilder > VAR
Treff:	

Database/ressurs:	Nasjonale retningslinjer fra Helsedirektoratet
Søkehistorie:	Søk: epilepsi 2022 søk: ketogen diett
Treff:	Ingen relevnate

Database/ressurs:	Folkehelseinstituttet - rapporter og trykksaker
Søkehistorie:	Epilepsi, glut1, pdh, pyruvat dehydrogenasemangel, ketogen, diett, atkins
Treff:	Ingen relevnate

Database/ressurs:	Helsebibliotekets retningslinjebase
Søkehistorie:	Sett gjennom titlene under emnene: Nevrologi > Epilepsi og Ernæring Søk: ketogen diett
Treff:	Revidert januar 2021: GLUT1-mangelsykdom - anbefalt oppfølging og behandling https://oslo-universitetssykehus.no/fag-og-forskning/nasjonale-og-regionale-tjenester/nasjonalt-kompetansesenter-for-sjeldne-epilepsirelaterte-diagnoser/glut1-mangelsykdom-anbefalt-oppfolging-og-behandling Pediatriveiledere 11.8 Ketogen diett https://bit.ly/2CKH4zU (ikke oppdatert siden 2017)

Database/ressurs:	NICE Guidance (UK)
Søkehistorie:	NICE Guidance > Conditions and diseases > Neurological conditions > Epilepsy > Søk: ketogenic diet, atkins, Carbohydrate-Restricted diet
Treff:	NY (oppdatering): Epilepsies: diagnosis and management, Clinical guideline [CG137]: Epilepsies in children, young people and adults (NICE guideline [NG217]Published: 27 April 2022)

Database/ressurs:	Socialstyrelsen (Sve) - Nationella riktlinjer
Søkehistorie:	Sett gjennom liste
Treff:	NY: Nationella riktlinjer för vård vid epilepsi: https://www.socialstyrelsen.se/kunskapsstod-och-regler/regler-och-riktlinjer/nationella-riktlinjer/riktlinjer-och-utvarderingar/epilepsi/

Database/ressurs:	Sundhedsstyrelsen - Kvalitet og retningslinjer (DK)
Søkehistorie:	Sett gjennom listene over Nationale Kliniske Retningslinjer 2022: Sett gjennom titlen på Anbefalinger/retningslinjer fra 2019 Søk: epilepsi, ketogen diett
Treff:	Udredning og behandling af epilepsi hos børn og unge (2015) https://bit.ly/2w18oXd

Database/ressurs:	Center for kliniske retningslinjer (DK)
Søkehistorie:	Sett gjennom Godkente retningslinjer 2022: Sett gjennom listen med kliniske retningslinjer fra 2019 Søk: epilepsi, ketogen, diæt
Treff:	Ingen relevante

Database/ressurs:	Nursing Reference Center
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Søkehistorie:	(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) Søk 2022: TI ((ketogenic diet* OR low carbohydrate diet*)) OR AB ((ketogenic diet* OR low carbohydrate diet*))
Treff:	2019: Evidence Based Care Sheets (11) Skills (4) Patient Handouts (12) 2022: Evidence Based Care Sheets (3) Skills (0) Patient Handouts (3) 1. The Ketogenic Diet and Epilepsy: Does It Really Work? : EBSCO Publishing; 2017. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=2009858128&site=nup-live&scope=site 2. Caple CRBM, Marcel CB. Ketogenic Diet in Children. Ipswich, Massachusetts: EBSCO Publishing; 2017. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T704503&site=nup-live&scope=site 3. Marcel CB. Ketogenic Diet in Adults. Ipswich, Massachusetts: EBSCO Publishing; 2017. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T707260&site=nup-live&scope=site 4. Marcel CB. High-Fat Diet. Ipswich, Massachusetts: EBSCO Publishing; 2017. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T902658&site=nup-live&scope=site Updated: 2/26/2021: 5. Ketogenic Diet. EBSCO Publishing; 2018. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=2013216209&site=nup-live&scope=site 6. Marcel CB. Epilepsy in Children: Managing with the Ketogenic Diet. Ipswich, Massachusetts: EBSCO Publishing; 2018. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T708133&site=nup-live&scope=site 7. Marcel CB, Smith NRMC. Epilepsy in Children: Managing with the Modified Atkins Diet. Ipswich, Massachusetts: EBSCO Publishing; 2018. http://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T708134&site=nup-live&scope=site
Database/ressurs:	UpToDate

Søkehistorie:	Ketogenic diet
Treff:	Se på treffliste på ketogenic diet: https://bit.ly/2CLOAKV Bl.a. denne: The ketogenic diet and other dietary therapies for the treatment of epilepsy http://www.uptodate.com/contents/14438 ?? This topic last updated: Nov 15, 2021.

Database/ressurs:	Best Practice
Søkehistorie:	Ketogenic diet
Treff:	Treffliste: https://bestpractice.bmj.com/search?q=keto%20diet 2022: alle kapitlene er oppdater i juni/juli 2022 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

Database/ressurs	International League Against Epilepsy (ILAE)
Treff	Les gjennom titlene på nettsiden til ILAE Guidelines & Reports http://www.ilae.org/Visitors/Centre/Guidelines.cfm 2022: Inngang https://www.ilae.org/guidelines/guidelines-and-reports, avgrenset til Ketogenic Diet. Optimal clinical management of children receiving the ketogenic diet: Recommendations of the International Ketogenic Diet Study Group https://onlinelibrary.wiley.com/doi/full/10.1002/epi4.12225 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 http://onlinelibrary.wiley.com/doi/10.1111/epi.13039/abstract

Database/ressurs:	Epistemonikos
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Søkehistorie:	Title/abstract: (epilep* OR seizure* OR anticonvul* OR antiepilep* OR "glucose transporter type 1" OR "glucose transporter type1" OR glut1 OR "glut 1" OR "Pyruvate Dehydrogenase Complex Disease" OR "Pyruvate Dehydrogenase Deficiency") AND ("ketogenic diet" OR "ketogenic diets" OR "carbohydrate low" OR "low carbohydrate" OR "carbohydrate restricted" OR "restricted carbohydrate" OR "medium chain triglyceride diet" OR "medium-chain triglyceride diet") Publication year: From 2019 to 2022
Treff:	2022: Broad synthesis (2) Systematic review (39)
Kommentar:	Ikke søkt her i 2019

Database/ressurs:	The Cochrane Library (Cochrane Reviews, Clinical Answers)	
Søkehistorie:	#1 MeSH descriptor: [Epilepsy] explode all trees 2150 #2 MeSH descriptor: [Seizures] explode all trees 881 #3 MeSH descriptor: [Anticonvulsants] explode all trees 2268 #4 epilep* or seizure* or anticonvul* or antiepilep*:ti,ab,kw (Word variations have been searched) 11711 #5 MeSH descriptor: [Glucose Transporter Type 1] explode all trees 9 #6 glucose near transporter near type 1:ti,ab,kw (Word variations have been searched) 81 #7 glut1 or glut near 1 or SLC2A1:ti,ab,kw (Word variations have been searched) 57 #8 Glucose Transporter Type 1:ti,ab,kw (Word variations have been searched) 1061 #9 {or #5-#8} 558 #10 deficiency or ds:ti,ab,kw (Word variations have been searched) 22459 #11 {and #9-#10} 10 #12 MeSH descriptor: [Pyruvate Dehydrogenase Complex Deficiency Disease] explode all trees 3 #13 pyruvate near (dehydrogenase or decarboxylase) near (deficiency or disease*):ti,ab,kw (Word variations have been searched) 7 #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) 13 #16 (#1 or #2 or #3 or #4 or #11 or #12 or #13 or #14 or #15) 11753 #17 MeSH descriptor: [Diet, Carbohydrate-Restricted] explode all trees 341 #18 MeSH descriptor: [Diet, Ketogenic] explode all trees 37 #19 carbohydrat* near/3 (low or restrict*):ti,ab,kw (Word variations have been searched) 1438 #20 ((ketogenic* or atkin* or mct*) near/3 diet*) or lgit:ti,ab,kw (Word variations have been searched) 331 #21 medium near chain near triglyceride* near diet*:ti,ab,kw (Word variations have been searched) 42 #22 {or #17-#21} 1694 #23 (#16 and #22) 130 2022:	

	ID	Search	Hits
	#1	MeSH descriptor: [Epilepsy] explode all trees	2598
	#2	MeSH descriptor: [Seizures] explode all trees	1243
	#3	MeSH descriptor: [Anticonvulsants] explode all trees	2550
	#4	epilep* or seizure* or anticonvul* or antiepilep*:ti,ab,kw (Word variations have been searched)	17044
	#5	MeSH descriptor: [Glucose Transporter Type 1] explode all trees	12
	#6	"glucose transporter" near ("type 1" or type1):ti,ab,kw (Word variations have been searched)	17
	#7	glut1 or glut near 1 or SLC2A1:ti,ab,kw (Word variations have been searched)	99
	#8	{or #5-#7}	103
	#9	deficiency or ds:ti,ab,kw (Word variations have been searched)	33854
	#10	{and #8-#11}	11
	#11	MeSH descriptor: [Pyruvate Dehydrogenase Complex Deficiency Disease] explode all trees	4
	#12	pyruvate near (dehydrogenase or decarboxylase) near (deficiency or disease*):ti,ab,kw (Word variations have been searched)	8
	#13	(pdh or pdhc) near (deficiency or disease*):ti,ab,kw (Word variations have been searched)	4
	#14	atax* near (lact* acidosis or lactacidosis or pyruvate metabolism):ti,ab,kw (Word variations have been searched)	17
	#15	(#1 or #2 or #3 or #4 or #11 or #12 or #13 or #14)	17107
	#16	MeSH descriptor: [Diet, Carbohydrate-Restricted] explode all trees	568
	#17	MeSH descriptor: [Diet, Ketogenic] explode all trees	114
	#18	carbohydrat* near/3 (low or restrict*):ti,ab,kw (Word variations have been searched)	2311
	#19	((ketogenic* or mct*) near/3 diet*) or lgit):ti,ab,kw (Word variations have been searched)	612
	#20	medium near chain near triglyceride* near diet*:ti,ab,kw (Word variations have been searched)	67
	#21	{or #17-#20}	2775
	#22	(#15 and #21) with Cochrane Library publication date Between Jan 2019 and Aug 2022, in Cochrane Reviews, Clinical Answers	3
Treff:	2019: Cochrane Reviews: 12 Clinical Answers: 0 2022: Cochrane Reviews: 1 Clinical Answers: 2 2022 Clinical Answers: Record #1 of 2 AU: Burch Jane, Ciapponi Agustín TI: For people with drug-resistant epilepsy, how do different ketogenic diets compare? 2020 DOI: 10.1002/cca.3256 US: http://dx.doi.org/10.1002/cca.3256 Record #2 of 2 AU: Burch Jane, Ciapponi Agustín		

	TI: What are the effects of a ketogenic diet for people with drug-resistant epilep? 2020 DOI: 10.1002/cca.3229 US: http://dx.doi.org/10.1002/cca.3229
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Database/ressurs:	Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to December 31, 2018> 2022: Ovid MEDLINE(R) ALL 1946 to July 29, 2022		
Søkehistorie:	#	Searches	Results
	1	exp Epilepsy/dh [Diet Therapy]	745
	2	exp Epilepsy/	105096
	3	(epilep* or seizure* or convulsion*).tw,kw.	194620
	4	Pyruvate Dehydrogenase Complex Deficiency Disease/	381
	5	(pyruvate adj4 (dehydrogenase or decarboxylase) adj4 (deficienc* or disease* or defect*)).tw,kw.	478
	6	((pdh* or dlat or dld) adj3 (deficienc* or disease* or defect*)).tw.	264
	7	pdha1.tw.	154
	8	"Pyruvate Dehydrogenase (Lipoamide)"/df [Deficiency]	17
	9	Dihydrolipoamide Dehydrogenase/df [Deficiency]	61
	10	(atax* adj3 (lact* acidosis or lactacidosis or pyruvate metabolism)).tw,kw.	26
	11	Glucose Transporter Type 1/df, ge [Deficiency, Genetics]	923
	12	Glucose Transporter Type 1/	3769
	13	(glut1 or glut 1 or SLC2A1).tw,kw.	5998
	14	(glucose adj5 transporter adj5 type 1).tw,kw.	225
	15	or/12-14	6724
	16	(deficiency or ds).tw.	288634
	17	and/15-16	426
	18	or/2-11,17	213061
	19	Ketogenic Diet/	988
	20	Diet, Carbohydrate-Restricted/	1350
	21	exp Ketones/ or Ketosis/	98059
	22	((carbohydrat* or glycemic index) adj3 (low or restrict*)).tw,kw.	5383
	23	((ketogenic* or atkin* or mct*) adj3 diet*) or lgit).tw,kw.	2696
	24	(medium adj4 chain adj4 triglyceride* adj4 diet*).tw,kw.	529
	25	or/19-24	105738

26	and/18,25	2607
27	or/1,26	2689
28	(medline or cochrane or embase or psycinfo or ((systematic* or literature) adj2 review*) or metaanalys* or meta analys*).tw. or meta analysis.pt.	412708
29	and/27-28	83
30	limit 29 to (danish or english or norwegian or swedish)	79
31	limit 30 to yr="2014 -Current"	38
32	randomized controlled trial.pt.	473667
33	controlled clinical trial.pt.	92832
34	randomized.ab.	430652
35	placebo.ab.	194398
36	clinical trials as topic.sh.	185626
37	randomly.ab.	302858
38	trial.ti.	192155
39	or/32-38	1190160
40	exp animals/ not humans.sh.	4531432
41	39 not 40	1094768
42	and/26,41	173
43	limit 42 to (danish or english or norwegian or swedish)	151
44	limit 43 to yr="2014 -Current"	59
45	44 not 31	49

2022:
Search Strategy:

#	Searches	Results
1	exp Epilepsy/dh [Diet Therapy]	934
2	exp Epilepsy/	122296
3	(epilep* or seizure* or convulsion*).tw,kw.	233146
4	Pyruvate Dehydrogenase Complex Deficiency Disease/	414
5	(pyruvate adj4 (dehydrogenase or decarboxylase) adj4 (deficienc* or disease* or defect*)).tw,kw.	538
6	((pdh* or dlat or dld) adj3 (deficienc* or disease* or defect*)).tw.	306
7	pdha1.tw.	234
8	"Pyruvate Dehydrogenase (Lipoamide)"/df [Deficiency]	18
9	Dihydrolipoamide Dehydrogenase/df [Deficiency]	63

	10	(atax* adj3 (lact* acidosis or lactacidosis or pyruvate metabolism)).tw,kw.	26
	11	Glucose Transporter Type 1/df, ge [Deficiency, Genetics]	1261
	12	Glucose Transporter Type 1/	4556
	13	(glut1 or glut 1 or SLC2A1).tw,kw.	7854
	14	(glucose adj5 transporter adj5 type 1).tw,kw.	324
	15	or/12-14	8717
	16	(deficiency or ds).tw.	351725
	17	and/15-16	579
	18	or/2-11,17	253139
	19	Ketogenic Diet/	2064
	20	Diet, Carbohydrate-Restricted/	1985
	21	((carbohydrat* or glycemic index) adj3 (low or restrict*)).tw,kw.	7108
	22	((((ketogenic* or mct*) adj3 diet*) or lgit).tw,kw.	4123
	23	(medium adj4 chain adj4 triglyceride* adj4 diet*).tw,kw.	624
	24	or/19-23	11740
	25	and/18,24	2321
	26	or/1,25	2429
	27	(Meta Analysis or Systematic Review).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 scoping review* or overview of reviews or review of reviews or (evidence* adj2 synth*) or synthesis review*).ti,ab,kf.	807562
	28	and/26-27	160
	29	limit 28 to (yr="2019 -Current" and (danish or english or norwegian or swedish))	72
	30	guideline/ or practice guideline/ or guideline*.ti.	109934
	31	and/26,30	14
	32	limit 31 to (yr="2019 -Current" and (danish or english or norwegian or swedish))	4
	33	32 not 29	2
	34	Patient Education as Topic/ or health education/ or consumer health information/	152779

	35	telecommunications/ or electronic mail/ or telemedicine/ or remote consultation/ or telerehabilitation/ or Telenursing/ or telephone/ or cell phone/ or text messaging/ or videoconferencing/	69801
	36	exp Adaptation, Psychological/ or "Quality of Life"/	371568
	37	health knowledge, attitudes, practice/ or "treatment adherence and compliance"/ or "patient acceptance of health care"/ or patient compliance/ or medication adherence/ or no-show patients/ or patient dropouts/ or patient participation/ or patient satisfaction/ or patient preference/ or treatment refusal/	375438
	38	Health Communication/ or self care/ or self administration/ or self medication/ or self concept/ or self efficacy/ or Needs Assessment/	165708
	39	exp "Delivery of Health Care"/ or exp Patient Care Management/ or counseling/ or exp directive counseling/ or distance counseling/	1610545
	40	exp nurses/ or exp nursing staff/ or Nurse's Role/ or (nursing or nurse or nurses).tw,kf.	566639
	41	((patient* or inpatient* or outpatient* or client*) adj3 (teach* or instruc* or educat* or counse* or program* or course* or train* or prepar* or supervision or inform or information* or motivat* or observ* or follow up or followup or need* or compliance or adherence or self care or selfcare or self administration* or function* or distress or satisfact* or participat* or preference* or activit* or diagnos*)).ti,ab,kf.	1134547
	42	(e-health or "electronic health" or "electronic care" or "electronic healthcare" or ehealth or e-therap* or etherap* or "e-mental" or emental or m-health or mhealth or (mobile adj health) or "mobile care" or telemedic* or telecommunicat* or teleconsult* or telecounsel?ing or teleconferenc* or telecoach* or (tele adj home) or telehome* or (tele adj care) or telecare* or videoconsult* or video consult* or (tele adj (rehabilitation* or health*)) or telerehabilitation* or telehealth or telenursing).tw,kf.	81854
	43	(quality of life or qol or hrqol or coping).ti,ab,kf.	409565
	44	or/34-43	3458790
	45	and/26,44	398
	46	limit 45 to (yr="2019 -Current" and (danish or english or norwegian or swedish))	128
	47	46 not (29 or 32)	111
Treff:		2019: Systematiske oversikster (søkelinje 31): 35 Primærstudier (RCTer): 49	

	2022: Systematiske oversikter (søkelinje 29): 72 Guidelines (søkelinje 33): 2 Primærstudier (avgrenset til søkelinje 34 -43, ikke avgrenset på studiedesign): 111
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