



Проект на тему: Научные статьи в электронных базах о длительности грудного вскармливания и заболевании детей.

**ВЫПОЛНИЛА: ЕЛЬЖАСОВА А.
ГРУППА: ФА14-002-1
ФАКУЛЬТЕТ: ФАРМАЦИЯ**

АЛМАТЫ, 2018 ГОД

Проблема:



Согласно ранее опубликованным сведениям, распространенность целиакии колеблется в широких пределах, по данным различных исследователей, — от 1:500 до 1:3000 со средним значением 1:1000: в Эстонии заболеваемость составляет 1:2700, в Ирландии — 1:555, в Италии — 4,6:1000, в Австрии — 1:476, в Париже среди европейского населения 1:2000, в Швеции — 1-3,7:1000. Крайне редко целиакия выявляется в Африке, Японии и Китае. Патогенез заболевания до конца не выяснен. Предполагается аутосомно-рецессивный характер передачи целиакии. Целиакия (глютеновая болезнь, глютеновая энтеропатия, нетропическая спру, болезнь Ги-Гертера-Гейбнера; шифр по МКБ X — K 90.0) — хроническое генетически детерминированное заболевание, характеризующееся стойкой непереносимостью глютена с развитием атрофии слизистой оболочки тонкой кишки и связанного с ней синдрома мальабсорбции.

По RICO



- **P-** Ребенок 6 мес.
- **I-** Аглютеновая диета
- **S-** Увеличение частоты грудного вскармливания до 5-6 раз в день по 150 мл + искусственное питание
- **O-** Восстановление функций кишечника, нормализация массы тела и коррекция дефицита необходимых веществ.

Вопрос:



- Как повлияет частота грудного вскармливания (до 150 мл 5-6 раз в день + искусственное питание) как дополнение к лечению целиакии (восстановление функций кишечника, нормализация массы тела и коррекция дефицита необходимых веществ) диетотерапией у ребенка 6 мес.?

Главная страница сайта PUBMED

The screenshot shows the PubMed website homepage in a browser window. The browser's address bar displays the URL <https://www.ncbi.nlm.nih.gov/pubmed>. The page features a search bar with the text "PubMed" and a "Search" button. Below the search bar, there is a navigation menu with links for "NCBI", "Resources", and "How To". The main content area is divided into three columns: "Using PubMed", "PubMed Tools", and "More Resources". Each column contains several links to various resources and articles. The "Latest Literature" section lists new articles from highly accessed journals, including "Am J Clin Nutr", "Blood", "Cell", "Cochrane Database Syst Rev", "J Biol Chem", "J Clin Oncol", "PLoS One", and "Pediatrics". The "Trending Articles" section lists articles with recent increases in activity, such as "Inadequate sleep and muscle strength: Implications for resistance training" and "Live imaging of neurogenesis in the adult mouse hippocampus". The "PubMed Commons" section lists featured comments, including "Sex-specific differences: S Klaus comments on the implications of not considering sex when studying weight in rodents" and "Scaffold trends: R Guha discusses alternative ways to explore trends in medicinal chemistry".

Browser tabs: A short period of breast, Contribution of maternal, Новая вкладка, Home - PubMed - NCBI

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- [Inadequate sleep and muscle strength: Implications for resistance training. J Sci Med Sport. 2018.](#)
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- [Eradication of Triple-Negative Breast Cancer Cells by Targeting Glycosylated PD-L1. Cancer Cell. 2018.](#)

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Featured comments

- [Sex-specific differences: S Klaus comments on the implications of not considering sex when studying weight in rodents bit.ly/2DZxFn3 Feb 1](#)
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Ключевые слова



- the duration of breastfeeding disease of children
- Длительность грудного вскармливания и заболевания детей

Поиск по ключевым словам



the duration of breastfe... x A short period of breast... x Contribution of materna... x

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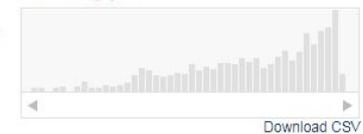
- [Cesarean Section on the Risk of Celiac Disease in the Offspring: The Teddy Study.](#)
1. Koletzko S, Lee HS, Beyerslein A, Aronsson CA, Hummel M, Liu E, Simell V, Kurppa K, Lernmark Å, Hagopian W, Rewers M, She JX, Simell O, Toppari J, Ziegler AG, Krischer J, Agardh D; TEDDY Study Group.
J Pediatr Gastroenterol Nutr. 2018 Mar;66(3):417-424. doi: 10.1097/MPG.0000000000001682.
PMID: 29470318
[Similar articles](#)
- [A hierarchical Bayesian tri-variate analysis on factors associated with anthropometric measures in a large sample of children and adolescents: the CASPIAN-IV study.](#)
2. Kelishadi R, Heidari Z, Kazemi I, Jafari-Koshki T, Mansourian M, Motlagh ME, Heshmat R.
J Pediatr Endocrinol Metab. 2018 Feb 16. pii: //jpep.ahead-of-print/jpem-2017-0213/jpem-2017-0213.xml. doi: 10.1515/jpem-2017-0213. [Epub ahead of print]
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- [Risk of childhood otitis media with focus on potentially modifiable factors: A Danish follow-up cohort study.](#)
3. Körvel-Hanquist A, Koch A, Lous J, Olsen SF, Homøe P.
Int J Pediatr Otorhinolaryngol. 2018 Mar;106:1-9. doi: 10.1016/j.ijporl.2017.12.027. Epub 2017 Dec 30.
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- [Boosting ART uptake and retention among HIV-infected pregnant and breastfeeding women and their infants: the promise of innovative service delivery models.](#)
4. Srivastava M, Sullivan D, Phelps BR, Modi S, Broyles LN.
J Int AIDS Soc. 2018 Jan;21(1). doi: 10.1002/jia2.25053.
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Поиск по ключевым словам

The screenshot shows a web browser window with three tabs: "the duration of breastfe...", "A short period of breast...", and "Contribution of materna...". The address bar shows the URL "https://www.ncbi.nlm.nih.gov/pubmed". The browser interface includes a search bar with the text "the duration of breastfeeding disease of children" and a "Search" button. The page content is from the NCBI Pubmed website, displaying search results for the query. The results are sorted by "Most recent" and show 10 items. The first three results are visible, each with a title, authors, journal information, and PMID. The first result is "Boosting ART uptake and retention among HIV-infected pregnant and breastfeeding women and their infants: the promise of innovative service delivery models" by Srivastava M, Sullivan D, Phelps BR, Modi S, Broyles LN, published in J Int AIDS Soc. 2018 Jan;21(1). The second result is "Maternal Feeding Practices among Children with Feeding Difficulties-Cross-sectional Study in a Brazilian Reference Center" by Machado RHV, Tosatti AM, Malzyner G, Maximino P, Ramos CC, Bozzini AB, Ribeiro L, Fisberg M, published in Front Pediatr. 2018 Jan 4;5:286. The third result is "Is increasing urbanicity associated with changes in breastfeeding duration in rural India? An analysis of cross-sectional household data from the Andhra Pradesh children and parents study" by Oakley L, Baker CP, Addanki S, Gupta V, Wallia GK, Aggarwal A, Bhogadi S, Kulkarni B, Wilson RT, Prabhakaran D, Ben-Shlomo Y, Davey Smith G, Radha Krishna KV, Kinra S, published in BMJ Open. 2017 Sep 21;7(9):e016331. The page also features a sidebar with filters for article types, text availability, and publication dates, a "Results by year" bar chart, and a "Find related data" section. The browser's taskbar at the bottom shows the Windows logo, several application icons, and the system tray with the date "24.02.2018" and time "20:40".

the duration of breastfe... X A short period of breast... X Contribution of materna... X

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(duration[All Fields] AND ("breast feeding"[MeSH Terms] OR ("breast" [All Fields] AND "feeding"[All Fields]) OR "breast feeding"[All Fields]) OR "breastfeeding"[All Fields])
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2. [Maternal Feeding Practices among Children with Feeding Difficulties-Cross-sectional Study in a Brazilian Reference Center.](#)
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3. [Is increasing urbanicity associated with changes in breastfeeding duration in rural India? An analysis of cross-sectional household data from the Andhra Pradesh children and parents study.](#)
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4. [Epidemiology of enteroaggregative Escherichia coli infections and associated outcomes in the MAL-ED birth cohort.](#)
Rogawski ET, Guerrant RL, Havt A, Lima IFN, Medeiros PHQS, Seidman JC, McCormick BJJ, Babji S, Hairiraju D, Boddhidatta L, Shrestha J, Anania J, Maro A, Samie A, Yori PP, Qureshi S, Mahfuz M, Bessong PO, Kosek MN, Ahmed T, Bhutta ZA, Lang DR, Gottlieb M, Hout ER, Lima AAM; MAL-ED Network Investigators

Поиск по ключевым словам

the duration of breastfe... x Early Infant Feeding Prac x

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- [Maternal use of dietary supplements during pregnancy is not associated with coeliac disease in the offspring: The Environmental Determinants of Diabetes in the Young \(TEDDY\) study.](#)
16. Yang J, Tamura RN, Aronsson CA, Uusitalo UM, Lernmark Å, Rewers M, Hagopian WA, She JX, Toppari J, Ziegler AG, Akolkar B, Krischer JP, Norris JM, Virtanen SM, Agardh D; Environmental Determinants of Diabetes in The Young study group.
Br J Nutr. 2017 Feb;117(3):466-472. doi: 10.1017/S0007114517000332. Epub 2017 Mar 2.
PMID: 28249640 [Free PMC Article](#)
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- [national survey on the pattern of breastfeeding in Iranian infants: The IrMIDHS study.](#)
17. Kelishadi R, Rashidian A, Jari M, Khosravi A, Khabiri R, Elahi E, Bahreynian M.
Med J Islam Repub Iran. 2016 Oct 16;30:425. eCollection 2016.
PMID: 28210590 [Free PMC Article](#)
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- [Early Infant Feeding Practices May Influence the Onset of Symptomatic Celiac Disease.](#)
18. Vajpayee S, Sharma SD, Gupta R, Goyal A, Sharma A.
Pediatr Gastroenterol Hepatol Nutr. 2016 Dec;19(4):229-235. doi: 10.5223/pghn.2016.19.4.229. Epub 2016 Dec 28.
PMID: 28090467 [Free PMC Article](#)
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- [Factors affecting the course of body and kidney growth in infants with urolithiasis: A critical long-term evaluation.](#)
19. Sarica K, Narter F, Sabuncu K, Akca A, Can U, Buz A, Sarica HN, Eryildirim B.
Arch Ital Urol Androl. 2016 Dec 30;88(4):249-254. doi: 10.4081/aiua.2016.4.249.
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- [Lessons from a seven-year experience of paediatric HIV in Pakistan: A single centre experience.](#)
20. Khan EA.
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- Browser Tabs:** "the duration of breastfe...", "Early Infant Feeding Prac..."
- Address Bar:** "Защищено | https://www.ncbi.nlm.nih.gov/pubmed/28090467"
- Browser Tools:** "Сервисы", "Авиабилеты", "Яндекс", "Скачать бесплатно"
- Page Header:** "NCBI Resources How To Sign in to NCBI"
- Search Bar:** "PubMed" with a search button and "Advanced" link.
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- Save items:** "Add to Favorites" button.
- Similar articles:** List of related articles with "Review" tags.
- Related information:** "MedGen", "References for this PMC Article", "Free in PMC".
- Article Content:**
 - Title:** "Early Infant Feeding Practices May Influence the Onset of Symptomatic Celiac Disease."
 - Authors:** "Vajpayee S¹, Sharma SD¹, Gupta R¹, Goyal A¹, Sharma A¹."
 - Author information:** "Author information" button.
 - Abstract:**
 - PURPOSE:** To study whether breastfeeding and breastfeeding status during gluten introduction influences the age at diagnosis of celiac disease (CD). In addition to study, whether the timing of gluten introduction influences the age at diagnosis of CD.
 - METHODS:** It was a hospital based observational study. Total 198 patients diagnosed with CD as per modified European Society of Pediatric Gastroenterology, Hepatology and Nutrition (2012) criteria, aged between 6 months to 6 years were included. Detail history taken with special emphasis on breastfeeding and age of gluten introduction. Standard statistical methods used to analyze the data.
 - RESULTS:** Mean±standard deviation age of onset and diagnosis of CD in breastfed cases was 2.81±1.42 years and 3.68 ±1.55 years respectively as compared to 1.84±1.36 years and 2.70±1.65 years respectively in not breastfed cases (p<0.05). Those who had continued breastfeeding during gluten introduction and of longer duration had significantly delayed onset of disease. The age at onset of CD was under one year in 40.42% of the cases, who had started gluten before 6 months of age compared to only 12.58% of those who had started gluten later (p<0.001). The proposed statistical model showed that two variables, i.e., breast feeding status during gluten introduction and age at gluten introduction positively influencing the age at diagnosis of CD.
 - CONCLUSION:** Delayed gluten introduction to infant's diet along with continuing breastfeeding, delays symptomatic CD. However, it is not clear from our study that these infant feeding practices provide permanent protection against the disease or merely delays the symptoms.
 - KEYWORDS:** Breast feeding; Celiac disease; Glutens; Infant feeding practices
 - PMID:** 28090467 **PMCID:** PMC5234418 **DOI:** 10.5223/pghn.2016.19.4.229
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Это наблюдательное исследование так как:

- Исследование было проведено в 3 медико-демографических государственных объектах
- Наблюдают за детьми в течение года



- **Место проведения исследования :** Department of Pediatric Medicine, Mother and Child Health Institute, Medical College, Jaipur, India.
- **Авторы:** Sir Padampat, Swai Man Singh
- **Дата публикации:** 2016 Dec 28.

- **METHODS:**

- It was a hospital based observational study. Total 198 patients diagnosed with CD as per modified European Society of Pediatric Gastroenterology, Hepatology and Nutrition (2012) criteria, aged between 6 months to 6 years were included. Detail history taken with special emphasis on breastfeeding and age of gluten introduction. Standard statistical methods used to analyze the data.

Методы:

Это было обсервационное исследование в больнице. Всего было включено 198 пациентов с диагнозом целиакия в соответствии с модифицированным Европейским обществом педиатрической гастроэнтерологии, гепатологии и питания (2012), в возрасте от 6 месяцев до 6 лет. Детальная история, сделанная с особым упором на грудное вскармливание и возраст внедрения клейковины. Использовали для анализа данных стандартные статистические методы.

- RESULTS:
- Mean±standard deviation age of onset and diagnosis of CD in breastfed cases was 2.81 ± 1.42 years and 3.68 ± 1.55 years respectively as compared to 1.84 ± 1.36 years and 2.70 ± 1.65 years respectively in not breastfed cases ($p < 0.05$). Those who had continued breastfeeding during gluten introduction and of longer duration had significantly delayed onset of disease. The age at onset of CD was under one year in 40.42% of the cases, who had started gluten before 6 months of age compared to only 12.58% of those who had started gluten later ($p < 0.001$). The proposed statistical model showed that two variables, i.e., breast feeding status during gluten introduction and age at gluten introduction positively influencing the age at diagnosis of CD.

РЕЗУЛЬТАТЫ: Среднее \pm стандартное отклонение возраста начала и диагноза КР в случаях на грудном вскармливании составляло $2,81 \pm 1,42$ года и $3,68 \pm 1,55$ года соответственно по сравнению с $1,84 \pm 1,36$ года и $2,70 \pm 1,65$ года соответственно в случаях, не связанных с грудным вскармливанием ($p < 0,05$). Те, кто продолжил грудное вскармливание при введении клейковины и более продолжительный период, значительно задержали начало заболевания. Возраст начала проявления целиакии составлял менее одного года в 40,42% случаев, которые начали применять клейковину до 6 месяцев, по сравнению с 12,58% из тех, кто позже начал клейковину ($p < 0,001$). Предложенная статистическая модель показала, что две переменные, то есть состояние кормления грудью во время введения клейковины и возраст при введении клейковины, положительно влияют на возраст при диагностике целиакии.

- CONCLUSION:

- Delayed gluten introduction to infant's diet along with continuing breastfeeding, delays symptomatic CD. However, it is not clear from our study that these infant feeding practices provide permanent protection against the disease or merely delays the symptoms.

ВЫВОД: Задержка введения клейковины в рацион младенца наряду с продолжением грудного вскармливания задерживает симптоматическую целиакию. Однако из нашего исследования не ясно, что эти методы кормления младенцев обеспечивают постоянную защиту от заболевания или просто задерживают симптомы.

Мое мнение



● Таким образом, целиакия представляет собой распространенное, но достаточно сложное для диагностики и лечения заболевание. Несмотря на многолетнюю историю его изучения, до сих остается неясным патогенез заболевания, нет универсальных критериев диагностики и этиотропного лечения. Опыт показывает, что при диете и нормализации питания дети с целиакией не отстают от сверстников ни по физическому, ни по психическому развитию, хотя клинические симптомы при соблюдении диеты могут становиться менее выраженными а так же установлено, что при несоблюдении безглютеновой диеты у больных целиакией в 40—100 раз, по сравнению с популяцией в целом, повышается риск развития гастроинтестинальной карциномы или лимфомы, которая развивается у 15% больных целиакией.



● Спасибо за внимание!