Jette Jakobsen - DTU Orbit (19/05/2018)

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Publications:

Vitamin D-biofortified beef: A comparison of cholecalciferol with synthetic versus UVB-mushroom-derived ergosterol as feed source
Publication: Research - peer-review › Journal article – Annual report year: 2018

Stability of vitamin D₃ and vitamin D₂ in oil, fish and mushrooms after household cooking
Publication: Research - peer-review › Journal article – Annual report year: 2018

Effect of low energy diet for eight weeks to adults with overweight or obesity on folate, retinol, vitamin B₁₂, D and e status and the degree of inflammation: a post hoc analysis of a randomized intervention trial
Publication: Research - peer-review › Journal article – Annual report year: 2018

The use of synthetic and natural vitamin D sources in pig diets to improve meat quality and vitamin D content
Publication: Research - peer-review › Journal article – Annual report year: 2018

Vitamin D vitamers affect vitamin D status differently in young healthy males
Publication: Research - peer-review › Journal article – Annual report year: 2018

Næringsindhold i kødudskæringer – danske grise
Publication: Commissioned › Report – Annual report year: 2017

Physiological limit of the daily endogenous cholecalciferol synthesis from UV light in cattle
Publication: Research - peer-review › Journal article – Annual report year: 2016

Vitamin D Status and Muscle Function Among Adolescent and Young Swimmers
Publication: Research - peer-review › Journal article – Annual report year: 2017

Vitamin D stored in fat tissue during a 5-year intervention affects serum 25-hydroxyvitamin D levels the following year
Publication: Research - peer-review › Journal article – Annual report year: 2017

Analysis of vitamin K-1 in fruits and vegetables using accelerated solvent extraction and liquid chromatography tandem mass spectrometry with atmospheric pressure chemical ionization
Publication: Research - peer-review › Journal article – Annual report year: 2016

Effects of vitamin D2-fortified bread v. supplementation with vitamin D2 or D3 on serum 25-hydroxyvitamin D metabolites: an 8-week randomised-controlled trial in young adult Finnish women
Impact on Vitamin D2, Vitamin D4 and Agaritine in Agaricus bisporus Mushrooms after Artificial and Natural Solar UV Light Exposure


Investigation of the effect of UV-LED exposure conditions on the production of vitamin D in pig skin

Phylloquinone content from wild green vegetables may contribute substantially to dietary intake

Stability of vitamin D in fish and mushrooms during different cooking procedures

Vitamin D3 and 25-hydroxyvitamin D3 in pork and their relationship to vitamin D status in pigs

Vitamin D-enhanced eggs are protective of wintertime serum 25-hydroxyvitamin D in a randomized controlled trial of adults

Vitamin D in salmonids – wild and farmed, from head to tail – impact on dietary intake?

Vitaminer i 100 år

Association of body fat and vitamin D status and the effect of body fat on the response to vitamin D supplementation in Pakistani immigrants in Denmark

Dose-Response Effect of Sunlight on Vitamin D2 Production in Agaricus bisporus Mushrooms

Evaluation of the Danish cultivated sugarkelp as possible future source of ingredients such as minerals and pigments

Nutrient composition of important fish species in Bangladesh and potential contribution to recommended nutrient intakes

Short communication: Artificial ultraviolet B light exposure increases vitamin D levels in cow plasma and milk

Tissue content of vitamin D3 and 25-hydroxy vitamin D3 in minipigs after cutaneous synthesis, supplementation and deprivation of vitamin D3
UVB-lys i stalden øger mælkens indhold af D-vitamin

Publication: Research › Journal article – Annual report year: 2015

Vitamin D₃ increases in abdominal subcutaneous fat tissue after supplementation with vitamin D₃

Publication: Research - peer-review › Journal article – Annual report year: 2015


Publication: Research - peer-review › Journal article – Annual report year: 2015

Altered vitamin D status in liver tissue and blood plasma from Greenland sledge dogs (Canis familiaris) dietary exposed to organohalogen contaminated minke whale (Balaenoptera acutirostrata) blubber

Publication: Research - peer-review › Journal article – Annual report year: 2014

Quantification of physiological levels of vitamin D₃ and 25-hydroxyvitamin D₃ in porcine fat and liver in subgram sample sizes

Publication: Research - peer-review › Journal article – Annual report year: 2014

Simultaneous quantification of vitamin D₃, 25-hydroxyvitamin D-3 and 24,25-dihydroxyvitamin D₃ in human serum by LC-MS/MS

Publication: Research - peer-review › Journal article – Annual report year: 2014

Stability of vitamin D in foodstuffs during cooking

Publication: Research - peer-review › Journal article – Annual report year: 2014

Vitamin D Binding Protein Genotype Is Associated with Serum 25-Hydroxyvitamin D and PTH Concentrations, as Well as Bone Health in Children and Adolescents in Finland

Publication: Research - peer-review › Journal article – Annual report year: 2014

Vitamin D₃ in Pigs: Distribution, Storage and Turnover under Various Input Conditions

Publication: Research › Ph.D. thesis – Annual report year: 2015

Quantification of vitamin D₃ and its hydroxylated metabolites in waxy leaf nightshade (Solanum glaucophyllum Desf.), tomato (Solanum lycopersicum L.) and bell pepper (Capsicum annuum L.)

Publication: Research - peer-review › Journal article – Annual report year: 2013

Randomized controlled trial of the effects of vitamin D–fortified milk and bread on serum 25-hydroxyvitamin D concentrations in families in Denmark during winter: the VitmaD study

Publication: Research - peer-review › Journal article – Annual report year: 2013

Seasonal changes in vitamin D status among Danish adolescent girls and elderly women: the influence of sun exposure and vitamin D intake.

Publication: Research - peer-review › Journal article – Annual report year: 2013

Vitamin D in plants: a review of occurrence, analysis, and biosynthesis.

Publication: Research - peer-review › Journal article – Annual report year: 2013

Determinants of vitamin D status in a general population of Danish adults

Publication: Research - peer-review › Journal article – Annual report year: 2012

Estimation of the dietary requirement for vitamin D: impact of season

Publication: Research - peer-review › Conference article – Annual report year: 2012
Evaluation of flavonoids and enterolactone in overnight urine as intake biomarkers of fruits, vegetables and beverages in the Inter99 cohort study using the method of triads.
Publication: Research - peer-review › Journal article – Annual report year: 2012

Increase of vitamin D2 by UV-B exposure during the growth phase of white button mushroom (Agaricus bisporus).
Publication: Research - peer-review › Journal article – Annual report year: 2012

Vitamin D
Publication: Research - peer-review › Book chapter – Annual report year: 2012

Vitamin D3 in plants: effect of UVB exposure
Publication: Research - peer-review › Poster – Annual report year: 2012

Vitamin Supplement - Editorial
Publication: Research › Editorial – Annual report year: 2012

Vitamins: Vital Compounds Of Life
Publication: Research › Journal article – Annual report year: 2012

Distribution of vitamins A (retinol) and E (alpha-tocopherol) in polar bear kidney: Implications for biomarker studies
Publication: Research - peer-review › Journal article – Annual report year: 2011

Estimation of the dietary requirement for vitamin D in healthy adolescent white girls.
Publication: Research - peer-review › Journal article – Annual report year: 2011

LC–MS/MS with atmospheric pressure chemical ionisation to study the effect of UV treatment on the formation of vitamin D3 and sterols in plants
Publication: Research - peer-review › Journal article – Annual report year: 2011

New food with natural content of vitamin D
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Seasonal Variation of Provitamin D2 and Vitamin D2 in Perennial Ryegrass (Lolium perenne L.)
Publication: Research - peer-review › Journal article – Annual report year: 2011

Vitamin D in plants: Occurrence, analysis and biosynthesis
Publication: Research › Ph.D. thesis – Annual report year: 2012

D-vitamin. Opdatering af videnskabelig evidens for sygdomsforebyggelse og anbefalinger
Publication: Research › Report – Annual report year: 2010

Analyses for folate in foods - the critical enzymatic extraction
Publication: Research - peer-review › Poster – Annual report year: 2010

Analysis of vitamin D and sterols related to the lanosterol biosynthesis in plant material by using LC-MS/MS with atmospheric pressure chemical ionisation
Publication: Research - peer-review › Poster – Annual report year: 2010

An overall perspective on vitamins
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010
Does vitamin D supplementation of healthy Danish Caucasian girls affect bone turnover and bone mineralization?
Publication: Research - peer-review › Journal article – Annual report year: 2010

Organohalogenes in A Whale-Blubber-Supplemented Diet Affects Hepatic Retinol and Renal Tocopherol Concentrations in Greenland Sled Dogs (Canis familiaris)
Publication: Research - peer-review › Journal article – Annual report year: 2010

The effect of farmed trout on cardiovascular risk markers in healthy men
Publication: Research - peer-review › Journal article – Annual report year: 2010

Biomonitoring og fødevarer
Publication: Communication › Book chapter – Annual report year: 2009

Increased micronuclei and bulky DNA adducts in cord blood after maternal exposures to traffic-related air pollution
Publication: Research - peer-review › Journal article – Annual report year: 2009

Intake of household salt in a Danish population
Publication: Research - peer-review › Journal article – Annual report year: 2009

Vitamin D, folate levels and DNA repair activity - preliminary results of measurements in subsets of maternal and umbilical cord blood samples
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2009

Vitamin D metabolites in bovine milk and butter
Publication: Research - peer-review › Journal article – Annual report year: 2009

Vitamin D status assessed by a validated HPLC method: within and between variation in subjects supplemented with vitamin D3
Publication: Research - peer-review › Journal article – Annual report year: 2009

Bioactivity of vitamin D sources
Publication: Research › Poster – Annual report year: 2008

Does the nutrition profile of vitamins, fatty acids and microelements counteract the negative impact from organohalogen pollutants on bone mineral density in Greenland sledge dogs (Canis familiaris)?
Publication: Research - peer-review › Journal article – Annual report year: 2008

Effect of vitamin D supplementation on bone and vitamin D status among Pakistani immigrants in Denmark: a randomised double-blinded placebo-controlled intervention study
Publication: Research - peer-review › Journal article – Annual report year: 2008

Optimisation of the determination of thiamin, 2-(1-hydroxyethyl)thiamin, and riboflavin in food samples by use of HPLC
Publication: Research - peer-review › Journal article – Annual report year: 2008

Pakistani Immigrant Children and Adults in Denmark Have Severely Low Vitamin D Status
Publication: Research - peer-review › Journal article – Annual report year: 2008

Potency of vitamin D sources
Publication: Research › Conference abstract for conference – Annual report year: 2008
Relative validity of a food frequency questionnaire used in the Inter99 study
Publication: Research - peer-review › Journal article – Annual report year: 2008

Sodium and bone health: The impact of moderately high and low salt intakes on calcium metabolism in postmenopausal women
Publication: Research - peer-review › Journal article – Annual report year: 2008

Specific data for vitamin D in milk
Publication: Research › Poster – Annual report year: 2008

Vitamin B1 – not only thiamine and its phosphates
Publication: Research › Poster – Annual report year: 2008

Vitamin B1 – quantification of thiamine and 2-(1-hydroxyethyl)thiamine a necessity
Publication: Research › Poster – Annual report year: 2008

25-Hydroxyvitamin D-3 affects vitamin D status similar to vitamin D-3 in pigs - but the meat produced has a lower content of vitamin D
Publication: Research - peer-review › Journal article – Annual report year: 2007

Afværvning af D3-vitaminkilder: 25-hydroxy D3-vitamin som alternativ til den traditionelt anvendte D3-vitamin kilde
Publication: Research › Internet publication – Annual report year: 2007

An investigation of a possible nutritional interaction between vitamin D and K status in Danish girls
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2007

Bioactivity of vitamin D sources
Publication: Research › Poster – Annual report year: 2007

Bioavailability and bioactivity of vitamin D3 active compounds – Which potency should be used for 25-hydroxyvitamin D3?
Publication: Research › Article in proceedings – Annual report year: 2007

Bioavailability and bioactivity of vitamin D sources – pigs used as models for humans
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

Dietary supplementation with an extract of lycopene-rich tomatoes does not reduce atherosclerosis in Watanabe Heritable Hyperlipidemic rabbits
Publication: Research - peer-review › Journal article – Annual report year: 2007

Effect of phyloquinone supplementation on biochemical markers of vitamin K status and bone turnover in postmenopausal women
Publication: Research - peer-review › Journal article – Annual report year: 2007

Freshwater fish as a dietary source of vitamin A in Cambodia
Publication: Research - peer-review › Journal article – Annual report year: 2007

Potency of vitamin D sources
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2007
Seasonal changes in vitamin D status and bone turnover in healthy Irish postmenopausal women
Publication: Research - peer-review › Journal article – Annual report year: 2007

Serum percentage undercarboxylated osteocalcin, a sensitive measure of vitamin K status, and its relationship to bone health indices in Danish girls
Publication: Research - peer-review › Journal article – Annual report year: 2007

Vitamin B1 – quantification of thiamine and 2-(1-hydroxyethyl)thiamine a necessity
Publication: Research › Poster – Annual report year: 2007

Vitamin D metabolites in milk products
Publication: Research › Sound/Visual production (digital) – Annual report year: 2007

Vitamin D status and effect of vitamin D supplementation among Pakistani immigrants in Denmark
Publication: Research › Conference abstract for conference – Annual report year: 2007

A positive dose-response effect of vitamin D supplementation on site-specific bone mineral augmentation in adolescent girls: A double-blinded randomized placebo-controlled 1-year intervention
Publication: Research - peer-review › Journal article – Annual report year: 2006

A seasonal variation of calcitropic hormones, bone turnover and bone mineral density in early and mid-puberty girls - a cross-sectional study
Publication: Research - peer-review › Journal article – Annual report year: 2006

Bread fortified with cholecalciferol increases the serum 25-hydroxyvitamin D concentration in women as effectively as a cholecalciferol supplement
Publication: Research - peer-review › Journal article – Annual report year: 2006

Evaluation of Ca-41 as a new approach to assess changes in bone metabolism: effect of a three month calcium supplementation in post-menopausal women
Publication: Research › Poster – Annual report year: 2006

How much vitamin D-3 do the elderly need?
Publication: Research - peer-review › Journal article – Annual report year: 2006

Vitamin D and estrogen receptor-alpha genotype and indices of bone mass and bone turnover in Danish girls
Publication: Research - peer-review › Journal article – Annual report year: 2006

Vitamin D Intake and status in Irish elderly women and adolescent girls
Publication: Research - peer-review › Journal article – Annual report year: 2006

Vitamin D status of 51-75-year-old Irish women: Its determinants and impact on biochemical indices of bone turnover
Publication: Research - peer-review › Journal article – Annual report year: 2006

How to validate vitamin D status?
Publication: Research › Article in proceedings – Annual report year: 2005

Mola - en fisk der kan det hele
Publication: Communication › Journal article – Annual report year: 2005

Teenage girls and elderly women living in northern Europe have low winter vitamin D status
Publication: Research - peer-review › Journal article – Annual report year: 2005
Vitamin and mineral intake of twelve male Kalenjin runners in Western Kenya
Publication: Research - peer-review › Journal article – Annual report year: 2005

A CROSS-SECTIONAL STUDY OF FINNISH 11-YEAR-OLD GIRLS THE RELATIONSHIP BETWEEN BONE MINERAL DENSITY AND SERUM 25-HYDROXYVITAMIN D
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2004

A new method for the determination of vitamin D-3 and 25-hydroxyvitamin D-3 in meat
Publication: Research - peer-review › Journal article – Annual report year: 2004

Does vitamin D supplementation to healthy Danish Caucasian girls affect bone mineralization
Publication: Research - peer-review › Poster – Annual report year: 2004

How to validate vitamin D status?
Publication: Research › Sound/Visual production (digital) – Annual report year: 2004

Hypovitaminosis D in Europe
Publication: Research › Poster – Annual report year: 2004

Immigrants - vitamin D, bone accretion and lack of sun exposure
Publication: Research › Conference abstract for conference – Annual report year: 2004

Seasonal variation of BMC in lumbar spine and hip in early-puberty girls
Publication: Research › Poster – Annual report year: 2004

Severe vitamin D deficiency among Pakistani living in Denmark
Publication: Research › Conference abstract for conference – Annual report year: 2004

The 6-a-day study: effects of fruit and vegetables on markers of oxidative stress and antioxidative defense in healthy nonsmokers
Publication: Research - peer-review › Journal article – Annual report year: 2004

The effect of a high-protein, high-sodium diet on calcium and bone metabolism in postmenopausal women and its interaction with vitamin D receptor genotype
Publication: Research - peer-review › Journal article – Annual report year: 2004

The effect of a high-protein, high-sodium diet on calcium and bone metabolism in postmenopausal women stratified by hormone replacement therapy use
Publication: Research - peer-review › Journal article – Annual report year: 2004

Vitamin D intake and status of Pakistani immigrants in Denmark
Publication: Research › Conference abstract for conference – Annual report year: 2004

Vitamin D supplementation of adolescent girls during one year: effect on S-25-hydroxyvitamin D, S-parathyroid hormone and bone markers
Publication: Research › Poster – Annual report year: 2004

Food contents and biological activity of 25-hydroxyvitamin D: A vitamin D metabolite to be reckoned with?
Publication: Research - peer-review › Journal article – Annual report year: 2003
Geographic differences in vitamin D status, with particular reference to European countries
Publication: Research - peer-review › Journal article – Annual report year: 2003

The vitamin D status in two risk groups from four European countries
Publication: Research › Conference abstract for conference – Annual report year: 2003

Vitamin D-3 and 25-hydroxyvitamin D-3 in raw and cooked pork cuts
Publication: Research - peer-review › Journal article – Annual report year: 2003

High vitamin A content in some small indigenous fish species in Bangladesh: perspectives for food-based strategies to reduce vitamin A deficiency
Publication: Research - peer-review › Journal article – Annual report year: 2002

Dose-response effects of lycopene on selected drug-metabolizing and antioxidant enzymes in the rat
Publication: Research - peer-review › Journal article – Annual report year: 2000

The intake of carotenoids in Denmark
Publication: Research - peer-review › Journal article – Annual report year: 2000

Para-aminobenzoic acid used as a marker for completeness of 24 hour urine: Assessment of control limits for a specific HPLC method
Publication: Research - peer-review › Journal article – Annual report year: 1997

The effect of microwave heating on vitamin B1 and E the linoleic and linolenic acid, and immunoglobulins in human milk
Publication: Research - peer-review › Journal article – Annual report year: 1996

Projects:

Novel microalgae based ingredients
Project: PhD

PigLED - Optimal lighting system for pigs
Project

Quantification of folate metabolites in food and potential biofortification strategies for future food products
Project: PhD

4th International Vitamin Conference
Project

Vitamin D biofortified food - development of products and quantification of content of vitamin D
Project: PhD

ODIN-Biofortification and analysis of vitamin D
Project

Danish Vitamin Network
Project

D vitamin i planter
Project
Risk-benefit assessment of functional foods – Focus on vitamin D metabolism
Project

Metabolisme af D-vitamin
Project: PhD

Risk-benefit analyser af funktionelle fødevarer – Fokus på D-vitamin
Project

D Vitamin og prostata cancer risiko
Project: PhD

Anden internationale Vitamin Konference
Project

Biomonitoring and food
Project

Cultivation of mushrooms with natural content of vitamin D
Project

The first international vitamin conference - 19-21 May 2010 in Copenhagen
Project

Improvement of vitamin D content i food crops
Project

Vitamin D in plants
Project: PhD

Dansk Vitamin Netværk
Project

D Vitamin og mælk
Project

Maximizing of vitamin D content in milk from indoor raised dairy cows
Project

Content, bioavailability and health effects of trace elements and bioactive components in organic agricultural systems
Project

Intake of household salt in a Danish population
Project

Vitamin D activity of food and supplements
Project

Towards a strategy for optimal vitamin D fortification, OPTIFORD
Project
Activities:

5th International Vitamin Conference
Activity: Attending an event › Participating in or organising a conference

UV-treatment of foods and animals as a vitamin D enrichment approach
Activity: Talks and presentations › Conference presentations

Principle for studying the potency of the different vitamin D active compounds - usable for the vitamin B community?
Activity: Talks and presentations › Conference presentations

ANALYTICAL PLATFORM FOR ESTABLISHMENT OF FOOD COMPOSITION DATA FOR VITAMINS – EXEMPLIFIED BY VITAMIN D
Activity: Talks and presentations › Conference presentations

Vitamin D in salmonids - wild and farmed
Activity: Talks and presentations › Conference presentations

International Vitamin Conference
Activity: Attending an event › Participating in or organising a conference

International Vitamin Conference 2016
Activity: Attending an event › Participating in or organising a conference

Vitamin D - The sunshine vitamin in our food
Activity: Talks and presentations › Conference presentations

3rd International Vitamin Conference
Activity: Attending an event › Participating in or organising a conference

Vitamin D in milk from dairy cows housed indoor
Activity: Talks and presentations › Conference presentations

2nd International Vitamin Conference
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Current trends in human nutrition
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

Current trends in human nutrition: Vitamins in relation to status
Activity: Talks and presentations › Guest lectures, external teaching and course activities at other universities

2nd International Vitamin Conference
Activity: Attending an event › Participating in or organising a conference

First International Vitamin Conference
Activity: Attending an event › Participating in or organising a conference

Netværk og National Funding
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.
D-vitamin - hvor får vi det fra, hvilken betydning har det, og hvor meget har vi brug for?
Activity: Talks and presentations › Conference presentations

Vitamin D metabolites in milk products
Activity: Talks and presentations › Conference presentations

Bioavailability and bioactivity of vitamin D sources – pigs used as models for humans
Activity: Talks and presentations › Conference presentations

How to validate vitamin D status?
Activity: Talks and presentations › Conference presentations

Hypovitaminosis D in Europe
Activity: Talks and presentations › Conference presentations

Press clippings:

Hvordan bevares mikronæringsstoffer bedst ved opvarmning af grøntsager?
Press / Media

Indholdet af vitaminer og mineraler i vores fødevarer er lavere end tidligere
Press / Media

4. International Vitamin Conference
Press / Media

Vitamin D i fødevarer
Press / Media

Vitaminer
Press / Media

Vitamin D i planter
Press / Media

Nyt syn på K-vitaminets hemmeligheder
Press / Media

Nyt syn på vitaminers betydning
Press / Media

Nyt syn på vitaminers betydning
Press / Media

Vitamin
Press / Media
Den første internationale vitaminkonference
Press / Media

Nyt syn på vitaminers betydning
Press / Media

Nyt syn på vitaminers betydning
Press / Media