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Profil

Specialæge i pædiatri, Phd. I subspcialisering til pædiatrisk hæmatologi og onkologi

Akademiske kvalifikationer

2017- Post doc, Klinisk Institut, Syddansk Universitet
2016 PhD, Klinisk Institut, Syddansk Universitet
2005 Medicinsk embedseksamen, det Sundhedsvidenskabelige fakultet, Syddansk Universitet
2003 Prægraduat sundhedsvidenskabelig forskeruddannelse, ("Langtidssequelae efter anthracyclinbehandling af akut lymfoblastisk leukæmi i barnealderen"), Syddansk Universitet.

Vejlederfunktioner

Prægraduate forskerstuderende

2018 Stud. med. Malene Wiborg Johansen "Treatment effect of cannabis on chemotherapy-induced gastrointestinal toxicity"
2018 Stud. med. Maria Christine Ernst Andersen "Effect of Fibcd1 on gastrointestinal toxicity and inflammatory responses in mice"
2016 Stud. med. Andreas Arnholdt Petersen " "Gastrointestinal toxicity and inflammatory responses in doxorubicin treated Dmbt1 deficient mice"
2017 Stud. med. Julia Palmborg "Antracycline Induced Long-Term Effects of the Heart after Treatment for Acute Lymfoblastic Leukemia(ALL) during Childhood"

Publikationer

Pediatric Neuroendocrine Tumors in Denmark: Incidence, Management, and Outcome from 1995 to 2020

Ankerstjerne, M. P., Giovannoni, S., Christensen, L. G., Möller, S., Holmager, P., Knigge, U., Ellebaek, M. B. & Rathe, M., feb. 2025, I: Pediatric blood & cancer. 72, 2, e31420.

Intestinal mucositis, systemic inflammation and bloodstream infections following high-dose methotrexate treatment in childhood acute lymphoblastic leukaemia: Comparison between the NOPHO ALL 2008 protocol and the ALLTogether1 protocol

Weischendorff, S., de Pietri, S., Rathe, M., Schmiegelow, K., Frandsen, T. L., Petersen, M. J., Weimann, A., Nielsen, C. H., Enevold, C., Kocadag, H. B., Moser, C. & Müller, K., 1. jan. 2025, I: International Journal of Cancer. 156, 1, s. 164-173

Changes in gut microbiota predict neutropenia after induction treatment in childhood acute lymphoblastic leukemia

Sørum, M. E., Boulund, U., De Pietri, S., Weischendorff, S., Enevold, C., Rathe, M., Als-Nielsen, B. E. T., Hasle, H., Pamp, S. J., Stokholm, J. & Müller, K., 19. nov. 2024, (E-pub ahead of print) I: Blood Advances.

Occurrence and case fatality rate of invasive aspergillosis in children with acute leukemia: A systematic review and meta-analysis

Moeller Duus, R., Bonnet Moeller, J. & Rathe, M., 26. sep. 2024, I: Journal of the Pediatric Infectious Diseases Society. 13, 9, s. 475-485

Upregulation of Insulin-like Growth Factor-I in Response to Chemotherapy in Children with Acute Lymphoblastic Leukemia

Kocadag, H. B., Weischendorff, S., De Pietri, S., Nielsen, C. H., Rathe, M., Als-Nielsen, B. E. T., Hasle, H., Juul, A., Müller, K. G. & Sørum, M. E., 4. sep. 2024, I: International Journal of Molecular Sciences. 25, 17, 9582.

Dahean: A Danish nationwide study ensuring quality assurance through real-world data for suspected hereditary anemia patients

Glenthøj, A., Rasmussen, A. Ø., Bendtsen, S. K., Hasle, H., Hoffmann, M., Rieneck, K., Dziegiel, M. H., Sjö, L. D., Frederiksen, H., Hansen, D. L., Fassi, D. E., Rathe, M., Jensen, P.-D. M., Winther-Larsen, A., Nielsen, C., Olsen, M., Toft, N., Lorenzen, M. O. B., Jensen, L. H. & Gudbrandsdottir, S. & 4 flere, Helby, J., Rossing, M., van Wijk, R. & Petersen, J., 31. jul. 2024, I: *Orphanet Journal of Rare Diseases*. 19, 11 s., 284.

Thirty-day surgical morbidity and risk factors in pediatric brain tumor surgery: a 10-year nationwide retrospective study

Henriksen, K. A., Brix, N., Jakubauskaite, R., Von Oettingen, G., Rathe, M., Skjøth-Rasmussen, J., Foss-Skiftesvik, J. & Mathiasen, R., 1. feb. 2024, I: *Journal of Neurosurgery*. 33, 2, s. 165-173

Markers of intestinal mucositis to predict blood stream infections at the onset of fever during treatment for childhood acute leukemia

Weischendorff, S., Rathe, M., Petersen, M. J., Weimann, A., Enevold, C., Nielsen, C. H., Als-Nielsen, B., Nygaard, U., Moser, C. & Müller, K., jan. 2024, I: *Leukemia*. 38, 1, s. 14-20

The Danish national haemoglobinopathy screening programme: Report from 16 years of screening in a low-prevalence, non-endemic region

Gravholt, E. A. E., Petersen, J., Mottelson, M., Nardo-Marino, A., Rathe, M., Olsen, M., Holm, C., Jørgensen, F. S., Birgens, H. & Glenthøj, A., jan. 2024, I: *British Journal of Haematology*. 204, 1, s. 329-336

Gastrointestinal barrier integrity and mucosal inflammation as risk factors of blood stream infections in children treated for acute lymphoblastic leukaemia

De Pietri, S., Weischendorff, S., Rathe, M., Frandsen, T. L., Hasle, H., Nersting, J., Nielsen, C. H., Moser, C. & Müller, K., 1. nov. 2023, I: *International Journal of Cancer*. 153, 9, s. 1635-1642

Epidemiological Study of Malignant Paediatric Liver Tumours in Denmark 1985-2020

Nissen, T. N., Rechnitzer, C., Albertsen, B. K., Borgwardt, L., Christensen, V. B., Fallentin, E., Hasle, H., Johansen, L. S., Maroun, L. L., Nissen, K. B., Rasmussen, A., Rathe, M., Rosthøj, S., Schultz, N. A., Wehner, P. S., Jørgensen, M. H. & Brok, J. S., 26. jun. 2023, I: *Cancers*. 15, 13, 11 s., 3355.

Compromised PAR1 activation - a cause for bleeding in XMEN?

Nielsen, C., Nilsson, C., Assing, K., Herlin, M. K. K., Skakkebæk, A., Larsen, M., Rathe, M., Beck, H. C. & Vinholt, P. J., jun. 2023, I: *Thrombosis and Haemostasis*. 123, 6, s. 641-644

Markers of neutrophil chemotaxis for identification of blood stream infections in children with acute lymphoblastic leukemia undergoing induction treatment

Weischendorff, S., De Pietri, S., Rathe, M., Frandsen, T. L., Hasle, H., Nielsen, C. H., Moser, C. & Müller, K., jun. 2023, I: *European Journal of Haematology*. 110, 6, s. 762-771

Secondary pseudotumor cerebri syndrome in a child with chronic myeloid leukemia: Report of a case and review of previous cases

Rasmussen, A. H., Nguyen, N. T., Molander, L. D. & Rathe, M., feb. 2023, I: *Pediatric blood & cancer*. 70, 2, e29913.

Physician-defined severe toxicities occurring during and after cancer treatment: Modified consensus definitions and clinical applicability in the evaluation of cancer treatment

Nielsen, C. G., Thomsen, B. L., Als-Nielsen, B., Conyers, R., Jeha, S., Mateos, M. K., Mlynarski, W., Pieters, R., Rathe, M., Schmiegelow, K., Andrés-Jensen, L. & on behalf of the Ponte di Legno Severe Toxicity Working Group, 2023, I: *Frontiers in Pediatrics*. 11, 10 s., 1155449.

PET/CT imaging detects intestinal inflammation in a mouse model of doxorubicin-induced mucositis

Dalby, S., Skallerup, S., Baun, C., Christensen, L. G., Rathe, M., Palner, M., Husby, S. & Moeller, J. B., 15. dec. 2022, I: *Frontiers in Oncology*. 12, 12 s., 1061804.

A survey on thromboprophylaxis and coagulation assessment in children and young adults with acute lymphoblastic leukaemia (ALL) in the Nordic and Baltic countries: Different practices of assessment and management

Andersson, N. G., Rathe, M., Mølle, I., Jarvis, K. B., Hoffmann, M., Huurre, A., Joelsson, J., Albertsen, B. K., Lohi, O., Långström, S., Overgaard, U., Saulyte Trakymiene, S., Vepsäläinen, K., Vogt, H. & Ranta, S., okt. 2022, I: *British Journal of Haematology*. 199, 1, s. 117-121

Left-handedness should not be overrated as a risk factor for postoperative speech impairment in children after posterior fossa tumour surgery: a prospective European multicentre study

Grønbaek, J. K., Laustsen, A. F., Toescu, S., Pizer, B., Mallucci, C., Aquilina, K., Molinari, E., Hjort, M. A., Gumbelvicene, L., Hauser, P., Pálmafy, B., van Baarsen, K., Hoving, E., Zipfel, J., Ehrstedt, C., Grillner, P., Callesen, M. T., Frič, R., Wibroe, M. & Nysom, K. & 6 flere, Schmiegelow, K., Sehested, A., Mathiasen, R., Juhler, M., CMS Study Group & Rathe, M. (Medlem af forfattergruppering), aug. 2022, I: *Child's Nervous System*. 38, 8, s. 1479-1485

Postoperative speech impairment and surgical approach to posterior fossa tumours in children: a prospective European multicentre cohort study

Grønbaek, J. K., Wibroe, M., Toescu, S., Frič, R., Thomsen, B. L., Møller, L. N., Grillner, P., Gustavsson, B., Mallucci, C., Aquilina, K., Fellows, G. A., Molinari, E., Hjort, M. A., Westerholm-Ormio, M., Kiudeliene, R., Mudra, K., Hauser, P., van Baarsen, K., Hoving, E. & Zipfel, J. & 7 flere, Nysom, K., Schmiegelow, K., Sehested, A., Juhler, M., Mathiasen, R., CMS Study Group & Rathe, M. (Medlem af forfattergruppering), nov. 2021, I: *The Lancet Child & Adolescent Health*. 5, 11, s. 814-824

No effect of deleted in malignant brain tumors 1 deficiency on chemotherapy induced murine intestinal mucositis

Nexoe, A. B., Pedersen, A. A., von Huth, S., Sorensen, G. L., Holmskov, U., Jiang, P. P., Detlefsen, S., Husby, S. & Rathe, M., 19. jul. 2021, I: *Scientific Reports*. 11, 1, 11 s., 14687.

FIBCD1 ameliorates weight loss in chemotherapy-induced murine mucositis

Andersen, M. C. E., Johansen, M. W., Nissen, T., Nexoe, A. B., Madsen, G. I., Sorensen, G. L., Holmskov, U., Schlosser, A., Moeller, J. B., Husby, S. & Rathe, M., maj 2021, I: *Supportive Care in Cancer*. 29, 5, s. 2415-2421

Peptidoglycan Recognition Peptide 2 Aggravates Weight Loss in a Murine Model of Chemotherapy-Induced Gastrointestinal Toxicity

Bech, A. S., Nexoe, A. B., Dubik, M., Moeller, J. B., Soerensen, G. L., Holmskov, U., Madsen, G. I., Husby, S. & Rathe, M., 23. mar. 2021, I: *Frontiers in Oncology*. 11, 11 s., 635005.

Citrulline as a biomarker of bacteraemia during induction treatment for childhood acute lymphoblastic leukaemia

De Pietri, S., Frandsen, T. L., Christensen, M., Grell, K., Rathe, M. & Müller, K., jan. 2021, I: *Pediatric Blood and Cancer*. 68, 1, e28793.

Gastrointestinal toxicity during induction treatment for childhood acute lymphoblastic leukemia: the impact of the gut microbiota

De Pietri, S., Ingham, A. C., Frandsen, T. L., Rathe, M., Krych, L., Castro Mejia, J. L., Nielsen, D. S., Nersting, J., Wehner, P. S., Schmiegelow, K., Hasle, H., Pamp, S. J. & Müller, K., 1. okt. 2020, I: *International Journal of Cancer*. 147, 7, s. 1953-1962

Minimal residual disease monitoring cannot fully replace bone marrow morphology in assessing disease status in pediatric acute lymphoblastic leukemia

Rathe, M., Preiss, B., Vibeke Marquart, H., Schmiegelow, K. & Skov Wehner, P., maj 2020, I: *APMIS*. 128, 5, s. 414-419

Bovine Colostrum Against Chemotherapy-Induced Gastrointestinal Toxicity in Children With Acute Lymphoblastic Leukemia: A Randomized, Double-Blind, Placebo-Controlled Trial

Rathe, M., De Pietri, S., Wehner, P. S., Frandsen, T. L., Grell, K., Schmiegelow, K., Sangild, P. T., Husby, S. & Müller, K., feb. 2020, I: *Journal of Parenteral and Enteral Nutrition*. 44, 2, s. 337-347

Trophic factors in the treatment and prevention of alimentary tract mucositis

Rathe, M., Shen, R. L. & Sangild, P. T., jun. 2018, I: *Current Opinion in Supportive and Palliative Care*. 12, 2, s. 181-186

Animal Models of Chemotherapy-induced Mucositis: Translational Relevance and Challenges

Sangild, P. T., Shen, R. L., Pontoppidan, P. E. L. & Rathe, M., 1. feb. 2018, I: *American Journal of Physiology: Gastrointestinal and Liver Physiology*. 314, 2, s. G231-G246

Successful management of transfusion-dependent congenital dyserythropoietic anemia type 1b with interferon alfa-2a
Rathe, M., Møller, M. B., Greisen, P. W. & Fisker, N., 2018, I: *Pediatric Blood & Cancer*. 65, 3, 3 s., e26866.

Chemotherapeutic treatment reduces circulating levels of surfactant protein-D in children with acute lymphoblastic leukemia

Rathe, M., Sorensen, G. L., Skov Wehner, P., Holmskov, U., Sangild, P. T., Schmiegelow, K., Müller, K. & Husby, S., 2017, I: *Pediatric Blood & Cancer*. 64, 3, 8 s., e26253.

Doxorubicin-Induced Gut Toxicity in Piglets fed Bovine Milk and Colostrum

Shen, R. L., Rathe, M., Jiang, P., Pontoppidan, P. E. L., Heegaard, P. M. H., Müller, K. & Sangild, P. T., dec. 2016, I: *Journal of Pediatric Gastroenterology and Nutrition*. 63, 6, s. 698-707

Milk Diets Influence Doxorubicin-Induced Intestinal Toxicity in Piglets

Shen, R. L., Pontoppidan, P. E. L., Rathe, M., Jiang, P., Hansen, C. F., Buddington, R. K., Heegaard, P. M. H., Müller, K. & Sangild, P. T., aug. 2016, I: *American Journal of Physiology: Gastrointestinal and Liver Physiology*. 311, 2, s. G324-G333

Chemotherapy Modulates Intestinal Immune Gene Expression Including Surfactant Protein-D and Deleted in Malignant Brain Tumors 1 in Piglets

Rathe, M., Thomassen, M., Shen, R. L., Pontoppidan, P. E. L., Husby, S., Müller, K., Kruse, T. A. & Sangild, P. T., 18. feb. 2016, I: *Chemotherapy*. 61, 4, s. 204-216 13 s.

Relapse of myeloid neoplasm with eosinophilia and PDGFRA rearrangement after imatinib discontinuation in a pediatric patient

Rathe, M., Schomerus, E., Wehner, P. S., Kristensen, T. K. & Møller, M. B., dec. 2014, I: *Pediatric Blood & Cancer*. 61, 12, s. 2328

Clinical applications of bovine colostrum therapy: a systematic review

Rathe, M., Müller, K., Sangild, P. T. & Husby, S., apr. 2014, I: *Nutrition Reviews*. 72, 4, s. 237-254 18 s.

Myeloid neoplasm with prominent eosinophilia and PDGFRA rearrangement treated with imatinib mesylate

Rathe, M., Kielsgaard Kristensen, T., Møller, M. B. & Carlsen, N. L. T., okt. 2010, I: *Pediatric Blood & Cancer*. 55, 4, s. 730-732

Long-term cardiac follow-up of children treated with anthracycline doses of 300 mg/m² or less for acute lymphoblastic leukemia

Rathe, M., Carlsen, N. L. T., Oxhøj, H. & Nielsen, G., mar. 2010, I: *Pediatric Blood & Cancer*. 54, 3, s. 444-448

Vancomycin-resistant Enterococcus spp. validation of susceptibility testing and in vitro activity of vancomycin, linezolid, tigecycline and daptomycin

Rathe, M., Kristensen, L., Ellermann-Eriksen, S., Thomsen, M. K. & Schumacher, H., 1. jan. 2010, I: *APMIS*. 118, 1, s. 66-73

Et dansk tilfælde af intestinal pseudomyiasis forårsaget af Eristalis tenax

Rathe, M. & Ozeraityte, A., 2009, I: *Ugeskrift for Læger*. 171, 40, s. 2922-2923

Et tilfælde af tungiasis efter rejse i Kenya

Rathe, M., Rafn, A. C., Poulsen, T. & Mohey, R., 2009, I: *Ugeskrift for Læger*. 171, 10, s. 818

Late cardiac effects of anthracycline containing therapy for childhood acute lymphoblastic leukemia

Rathe, M., Carlsen, N. L. T. & Oxhøj, H., 2007, I: *Pediatric Blood & Cancer*. 48, 7, s. 663-7 5 s.

Aktiviteter

Journal of Pediatric Gastroenterology and Nutrition (Tidsskrift)

Rathe, M. (Peer reviewer)

9. jul. 2022

Sfærocytose: Diagnostik, forløb og behandling

Rathe, M. (Underviser)

7. jan. 2022

Effect of bovine colostrum on toxicity and inflammatory responses during chemotherapeutic treatment of childhood cancer

Rathe, M. (Underviser)

6. dec. 2018

Børn med Cancer

Rathe, M. (Underviser)

19. nov. 2018

Chemotherapy induced mucositis and circulating surfactant protein-D in acute lymphoblastic leukemia (ALL).

Rathe, M. (Oplægsholder)

31. maj 2016

Innate Immunity (Tidsskrift)

Rathe, M. (Peer reviewer)

5. feb. 2016

Chemotherapy induces changes to intestinal immune gene expression in piglets

Rathe, M. (Oplægsholder)

27. maj 2015

Effekten af Råmælk på Bivirkninger fra Mavearmkanalen hos Børn i Leukæmi behandling

Rathe, M. (Foredragsholder)

5. nov. 2014

Journal of Antimicrobial Chemotherapy (Tidsskrift)

Rathe, M. (Peer reviewer)

maj 2014

Bovine colostrum for chemotherapy patients

Rathe, M. (Foredragsholder)

10. dec. 2013

Ugeskrift for Læger (Tidsskrift)

Rathe, M. (Peer reviewer)

apr. 2013

Journal of Pediatric Hematology/Oncology (Tidsskrift)

Rathe, M. (Peer reviewer)

jul. 2010 → ...

18th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)

Rathe, M. (Oplægsholder)

19. apr. 2010 → 22. apr. 2010

Association for European Paediatric and Congenital Cardiology AEPC's XL annual congress 2005

Rathe, M. (Oplægsholder)
18. maj 2005 → 21. maj 2005

Long-term cardiac effects of anthracycline therapy for acute lymphoblastic leukemia (ALL).

Rathe, M. (Foredragsholder)
24. maj 2004

Long-term cardiac follow-up of children treated with anthracycline doses of less than 300 mg/m² for acute lymphoblastic leucaemia.

Rathe, M. (Foredragsholder)
24. maj 2004

Nordic Society of Paediatric Haematology and Oncology. NOPHO's 22th annual congress 2004

Rathe, M. (Oplægsholder)
23. maj 2004 → 26. maj 2004

Presse/medie

Cancerforsker: Vi er afhængige af donationer

Rathe, M.
04/10/2018
1 Mediebidrag