Congenital Lyme Disease: Rare or Rarely Diagnosed?

Scientific Literature UN Convention Lyme Monitor Improving the Position of The Netherlands Congenital Lyme Disease of the Rights Mother / Child Children with CLD 2019 of the Child and their Mothers Article 3 The Dutch Lyme Disease Association Mother **Recognition in the ICD-11** of the fact that Steere AC, Malawista SE, Snydman DR, Shope RE, Andiman WA, Ross MR, et al conducted a population survey In all actions concerning children (....) Lyme can be transmitted during pregnancy (First description of Lyme Disease) 1977 Tick bite + erythema upper left leg during 9 years among Dutch Lyme Disease Patients the best interest of the child shall be a is urgent and necessary Lyme Disease (LD) not considered / no treatment primary consideration Severely ill; stops study and work **Reinstatement of 1C1G.2 Congenital** In the Netherlands (NL) > 25,000 1987 people contract Lyme each year, Schlesinger PA, Duray PH, Burke BA, Steere AC, Stillman MT Lyme borreliosis Article 6 Severe arthritis left knee during 24 months; nal-fetal transmission of the Lyme disease spirochete. Borrelia burgdorfer 1000-2500 of whom suffer persistent 1985 hospitalization; wheelchair State Parties recognize that every child symptoms No diagnosis / no LD treatment (1)Development of preventive measures to has the inherent right to life. 1991 State Parties shall ensure to the avoid Borrelia infections of newborns There is no information on the LD-IFA pos 1:1024; clinical diagnosis LD Markowitz LF, Steere AC, Benach JL, Slade JD, Broome CV maximum extent possible the survival prevalence and incidence of Silver staining knee tissue: pos Borrelia B. ss 1986 (2) Development of diagnostic procedures and development of the child Congenital Lyme Disease (CLD) in the Hospital: LD is a self limiting disease -> no LD treatment Netherlands and treatment of mothers at risk during 1992 Article 24 – 1 & 2 pregnancy and newborns / children with Search for advice, The Dutch Lyme Disease Association State Parties recognize the right of the MacDonald AB, Benach JL, Burgdorfer W. Congenital Lyme Disease (CLD) Concerns about risk LD <-> pregnancy is keen to gain insight into the Stillbirth following maternal Lyme disease 1987 child to the enjoyment of the highest Hospital: "transmission of Borrelia Burgdorferi is number of women and children attainable standard of health and to only a theoretical possibility, and has never been (3)Identification and treatment of children living with CLD facilities for the treatment of illness diagnosed in NL" and adolescents with undiagnosed and Weber K, Bratzke HJ, Neubert U, Wilske B, Duray PH No LD treatment and rehabilitation of health For the first time worldwide a Borrelia burgdorferi in a newborn despite oral penicillin for Lyme un(der)treated CLD 1996 borreliosis during pregnancy 1988 State Parties shall strive to ensure that question about CLD is included in a Difficulties during pregnancy, hospital not no child is deprived of his or her right of population survey amongst LD concerned about consequences of untreated LD (4)Inclusion of casestudies in decision access to such health care services. patients Figueroa R, Bracero LA, Aguero-Rosenfeld M, Beneck D, Coleman J, procedures (CLD = rare condition) Problems during childbirth Confirmation of Borrelia burgdorferi spirochetes by polymerase chain State Parties shall pursue full **Research** that addresses the potential Postnatal sepsis and ileus reaction in placentas of women with reactive serology for Lyme Congenital Lyme Disease is 1996 implementation of this right and, in Child mentioned by 58 people impact of CLD and the 'knowledge gap' particular, shall take appropriate 1997 (n = 1858; 3,2% of cases)(Waddel, E.A., Greig, J; 2018) No diagnostic protocol Congenital Lyme Disease measures: (CLD) pre/post natal, no CLD treatment Trevisan G, Stinco G, Cinco M. (5)Research which addresses the different 10 respondents report a CLD child to diminish infant and child mortality; • Neonatal skin lesions due to a spirochetal infection: a case of Continiously health, behavioural, psychiatric, 1997 (n=260; 3,7% of cases) clinical pictures related to different Borrelia congenital Lyme borreliosis? sleep, educational problems 44 adult respondents report CLD as to ensure the provision of necessary species and to direct onset and late onset Experienced stigma from medical / psychiatric cause of their chronic LD profession: LD can't be discussed as a causal assistance and health care to all CLD, including psychiatric / psychological Lambert J.S. (n=1325; 3,2% of cases) factor of health and psychological issues • An Overview of Tickborne Infections in Pregnancy and children with emphasis on the disorders, immune system related 2020 Outcomes in the Newborn: The Need for Prospective Studies 2017 development of primary health care; Rating of healthcare in NL for CLD on MSIDS Questionnaire (HMQ): high probability of problems, skin disorders, neurological a tick-borne disorder scale 1-10: • Lambert, J.S., Peronne, C. to combat disease(....) through the problems etc. (+ retrospective research in Clinical diagnosis LD: IgM-pos; IgG-pos; Western Adult respondents n=44: 1,4 Time to recognise Congenital Lyme: an application of readily available Blot-pos: 6 weeks AB: relapse after 3 months documented cases) Parents n=10: 1,8 2020 open letter to the WHO technology (....) 2020 GSQ30 (Fallon, 2019): score 71 -> severe **(6)Monitoring and guidance** of the (mental) to ensure appropriate pre-natal and impairment of study, social and family health and educational situation of children functioning -> treatment AB+ post-natal health care for mothers with CLD