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Bundles

Title	Overview
<p><u>Medela's Breastfeeding & Lactation Symposium 2023 – Extended Edition (6 lectures)</u></p>  <p>The CPD Certification Service</p>	<p>Medela's Symposium 2023 extended edition includes all six lectures delivered by the renowned speakers and their enlightening discussions from the live event hosted in Munich. Attendees can dose the viewing and watch each course separately. CPD points can also be earned per course for a total of 3 CPD points.</p> <p>The agenda included the following lectures:</p> <ul style="list-style-type: none"> • Lactation as a biological system: The dynamics of human milk composition (Prof. Lars Bode, USA) • Lactation as a biological system: The importance of dose (Prof. Donna Geddes, Australia) • A call to action: Improving human milk & breastfeeding outcomes by prioritizing effective initiation of lactation (Prof. Diane Spatz, USA) • Initiation of lactation: Prophylactic lactation support as Standard of Care for mothers of NICU infants (Dr Rebecca Hoban, Canada) • Improving survival & outcomes for preterm infants through optimizing early maternal breast milk: A national quality improvement toolkit from BAPM (Dr Sarah Bates) • Prioritizing own mother's milk in the neonatal unit: Need for standardized metrics that capture lactation and infant feeding (Prof. Neena Modi)

Title	Overview
<p><u>Medela's Still- und Laktationssymposium m 2023 - ausführliche Fassung (6 Vorträge)</u></p> 	<p>Die ausführliche Fassung des Medela Symposiums 2023 beinhaltet alle sechs Vorträge der renommierten Referenten und ihrer aufschlussreichen Diskussionen von der Live-Veranstaltung in München. Die Teilnehmer können die Vorträge zeitlich flexibel dosieren und sich jeden Kurs einzeln anschauen. Pro Kurs können auch CPD-Punkte erworben werden, so dass insgesamt 3 CPD-Punkte erzielt werden können.</p> <p>Agenda:</p> <ul style="list-style-type: none"> • Die Laktation als biologisches System: Die Dynamik der menschlichen Milchzusammensetzung (Prof. Lars Bode, USA) • Die Laktation als biologisches System: Die Bedeutung der Dosis (Prof. Donna Geddes, Australien) • Ein Aufruf zum Handeln: Verbesserung der Muttermilchernährung und des Stillens durch Priorisierung eines effektiven Stillbeginns (Prof. Diane Spatz, USA) • Beginn der Laktation: Prophylaktische Stillunterstützung als Standard in der Betreuung von Müttern von Neugeborenen auf der Intensivstation (Dr Rebecca Hoban, Kanada) • Verbesserung der Mortalität und Outcomes von Frühgeborenen durch Optimierung der frühen Muttermilchernährung: Ein nationales Toolkit zur Qualitätsverbesserung von BAPM (Dr Sarah Bates) • Priorisierung der eigenen Muttermilch auf der Neonatologischen Station: Bedarf an standardisierten Metriken zur Erfassung von Laktation und Säuglingsernährung (Prof. Neena Modi)
<p><u>Symposium Medela sur l'allaitement et la lactation 2023 - Edition étendue (6 conférences)</u></p> 	<p>L'édition étendue du Symposium 2023 de Medela comprend les six conférences données par les orateurs renommés et leurs discussions éclairantes lors de l'événement en direct organisé à Munich. Les participants peuvent doser le visionnage et regarder chaque cours séparément. Des points CPD peuvent également être gagnés par cours pour un total de 3 points CPD.</p> <p>Le programme comprend les conférences suivantes:</p> <ul style="list-style-type: none"> • La lactation en tant que système biologique : La dynamique de la composition du lait humain (Prof. Lars Bode, USA) • La lactation en tant que système biologique : L'importance de la dose (Prof. Donna Geddes, Australie) • Un appel à l'action : Améliorer les résultats du lait humain et de l'allaitement en donnant la priorité à une initiation efficace de la lactation (Prof. Diane Spatz, USA) • Initiation à la lactation : Le soutien prophylactique à la lactation comme norme de soins pour les mères d'enfants en soins intensifs néonataux (Dr Rebecca Hoban, Canada) • Améliorer la survie et les résultats pour les prématurés en optimisant le lait maternel précoce : une boîte à outils nationale d'amélioration de la qualité de la BAPM (Association britannique de Médecine Périnatale) (Dr Sarah Bates) • Priorité au lait maternel dans l'unité néonatale : Nécessité de disposer de mesures standardisées qui tiennent compte de l'allaitement et de l'alimentation des nourrissons (Prof. Neena Modi)

Title	Overview
<p><u>Simposio sobre lactancia materna de Medela 2023 - Edición ampliada (6 conferencias)</u></p> 	<p>La edición ampliada del Simposio 2023 de Medela incluye las seis conferencias impartidas por los prestigiosos ponentes y los esclarecedores debates llevados a cabo durante el evento en directo celebrado en Múnich. Los asistentes pueden ver cada curso separadamente y obtener puntos CPD por curso para un total de 3 puntos CPD.</p> <p>El programa incluye las siguientes conferencias:</p> <ul style="list-style-type: none"> • La lactancia como sistema biológico: La dinámica de la composición de la leche humana (Prof. Lars Bode, EE.UU.) • La lactancia como sistema biológico: La importancia de la dosis (Prof. Donna Geddes, Australia) • Una llamada a la acción: Mejorar los resultados de la leche humana y la lactancia dando prioridad al inicio efectivo de la lactancia (Prof. Diane Spatz, EE.UU.) • Inicio de la lactancia: El apoyo profiláctico a la lactancia como norma asistencial para las madres de bebés ingresados en la UCIN (Dra. Rebecca Hoban, Canadá) • Mejorar la supervivencia y los resultados de los recién nacidos prematuros mediante la optimización de la leche materna temprana: un kit de herramientas de mejora de la calidad nacional de la Asociación Británica de Medicina Perinatal (BAPM) (Dra. Sarah Bates) • Priorizar la leche materna propia en la Unidad Neonatal: Necesidad de métricas estandarizadas que reflejen la lactancia y la alimentación infantil (Prof. Neena Modi)

Courses



Title	Presenter	Overview
<p><u>Medela's Breastfeeding & Lactation Symposium 2023</u></p> 	<p>Lars Bode Donna Geddes Diane Spatz Rebecca Hoban</p>	<p>Medela's Breastfeeding & Lactation Symposium 2023 featured a world-class agenda for healthcare professionals keen to learn about the latest scientific evidence in the field of human milk and lactation towards improving the quality of lactation care and infant feeding.</p> <p>International speakers provided most recent advances in the topics of lactation as a biological system, research in the mother-breast milk-infant "triad" and initiation of lactation best practice in the neonatal unit and Maternity Ward as well as focused on the need of prioritizing own mother's milk and collecting standardized metrics to improve infant outcomes in the neonatal unit.</p>

Title	Presenter	Overview
<u>After the loss of an infant: Suppression of breast milk supply</u>	Donna Warr	With an infant's demise the missing piece in bereavement care, is suppression of breast milk supply. This course provides safe lactation suppression strategies and delivers information on support services and breast milk donation.
<u>Black women do breastfeed beyond a year: Listening to their stories</u>	Diane L. Spatz	Tremendous disparities in breastfeeding rates exist in the United States, with Black women having the lowest initiation and continuation rates. Yet, some black women do breastfeed beyond one year. This presentation will discuss a recently completed research study conducted by Dr. Spatz and her Ph.D. student Stephanie Acquaye.
<u>Breastfeeding promotion, protection, and support: Why we do it and why it's so hard to do</u>	Jenny Thomas	Breastfeeding is recommended by all major organizations as the standard for infant feeding. While many families intend to breastfeed, many families do not meet their goals and stop breastfeeding earlier than they planned.
<u>Building strong hearts: Recent evidence on human milk and direct breastfeeding for infants with critical congenital heart disease (CHD)</u> 	Kristin Elgersma	<p>Infants with critical congenital heart disease (CHD) are among the most vulnerable neonates and experience extremely low rates of human milk feeding and direct breast/chestfeeding. Until recently, there has been little evidence on this topic, with concurrent variation in feeding practice across clinical sites.</p> <p>This session will discuss a series of recent studies examining the prevalence of human milk and breastfeeding for infants with critical CHD, identifying supportive and limiting factors of these feeding practices, and investigating the impact of human milk and breastfeeding on key health outcomes in this population. Qualitative findings from lactating parents of infants with critical CHD will further describe the process by which direct breastfeeding can be established with these vulnerable infants.</p>
<u>Changing the prenatal and intrapartum care paradigm to improve lactation initiation during COVID-19 pandemic and beyond</u>	Diane L. Spatz	This course will address why the current prenatal care paradigm is inadequate to prepare families for their lactation journeys and present solutions. Antenatal lactation risk assessment is essential as well as a proactive approach to lactation initiation. Research, case studies and tools will be shared with the audience.


Title	Presenter	Overview
<p><u>Colostrum: The golden ticket to a healthy start</u></p> <p> The CPD Certification Service</p>	Rebecca Hoban	Colostrum has long been referred to as “liquid gold,” but what exactly makes it so special? In this webinar for healthcare providers, we will discuss the nutritional, but even more importantly, the amazing immunological and anti-infective properties of colostrum.
<p><u>Deciding when & how often to express human milk in the immediate postpartum period</u></p> <p> The CPD Certification Service</p>	Darlene Silver	In this webinar we discuss maternal-neonatal risk factors where expression of human milk should be implemented in the first 3 days of life to support an optimal milk supply.
<p><u>Disparities seen in breastfeeding</u></p>	Rose L. Horton	Black women and birthing people have the lowest rate of breastfeeding in the United States than in regions of Africa, the Caribbean, and Latin America. There is a stereotypical belief among healthcare workers that Black women do not want to breastfeed, with an ensuing lackluster attempt to support them in their feeding choices and remove barriers to ensure success. Let's have a candid conversation and change the narrative.
<p><u>Early Initiation as Standard of Care: Meeting lactation goals in healthy and at-risk populations</u></p> <p> The CPD Certification Service</p>	Rebecca Hoban	In some vulnerable populations, such as late preterm, lack of effective breastfeeding may not be recognized, resulting in delayed or impaired milk production. This course will cover the evidence behind appropriate lactation initiation, especially in at-risk populations, and how we can best support parents to meet their lactation goals.

Title	Presenter	Overview
<p><u>Evidence and best practices to increase the use of mothers' own milk in the NICU: Focus on secretory activation and coming to volume</u></p>  <p>The CPD Certification Service</p>	Prof. Paula Meier	<p>This presentation highlights the newest evidence that mothers' own milk is "personalized medicine" for NICU infants, and summarizes why donor human milk feedings do not yield the same beneficial outcomes. Given that there is no optimal substitute for mothers' own milk, strategies to prioritize its availability in the NICU are essential. This session targets the first two weeks post-birth as a critical period that includes secretory activation and achievement of coming to volume in breast pump-dependent mothers of NICU infants, and includes evidence, best practices and the newest ongoing research in this area.</p>
<p><u>Helping all families make informed feeding choices</u></p>  <p>The CPD Certification Service</p>	Diane L. Spatz	<p>On February 26, 2022, the World Health Organization (WHO) and the United Nations Children's Fund (UNICEF) released a key report on the 55-billion-dollar formula industry and its negative impact on breastfeeding decisions. This webinar highlights key findings of the report and provide clinicians with tools to teach families why human milk matters. It is critical that families are presented with scientific evidence about the differences between human milk, donor milk and infant formula.</p>
<p><u>Helping families identify and build prenatal and post birth breastfeeding support teams</u></p>	Diane L. Spatz	<p>This course will provide the learner with examples of how to use this research in clinical practice and help families identify and build breastfeeding support teams. In addition, an emphasis will be placed on the need to change the current prenatal care paradigm to help families prepare for lactation so they can meet their personal goals for the provision of human milk and breast/chest feeding.</p>
<p><u>Hitting the target – Transitioning the NICU baby from trophic feeds to feeding at the breast</u></p>	Lori Wood	<p>In this course we will discuss the breastfeeding journey of the very low/extremely low birth weight baby in the NICU. Breastfeeding for these tiny babies starts at birth. Early oral care with colostrum, skin-to-skin care, early and consistent exposure and time at the mother's breast, infant-driven feeding, and prioritization of at-breast feeding will be discussed. Discussion on engaging mother, family, NICU staff and providers to create an environment and culture of breastfeeding inclusiveness and support of exclusive human milk will be infused throughout this presentation.</p>

Title	Presenter	Overview
<u>Human connection within perinatal palliative care</u>	Billie Winegard Amanda Butner	Pregnancy is usually a time of great joy and hope; but when complications are identified, it can become a time of great hardship and uncertainty. Those experiencing such a pregnancy often feel lost and don't know where to turn for support. This is especially true as they sift through information and are faced with decisions not usually required during pregnancy. Perinatal Palliative Care provides an interdisciplinary team approach to support families while they make loving decisions for their child. In this presentation we will discuss fostering human connection and helping families determine what is most important to them in this journey.
<u>Human Milk: hints to increase its utilization in the neonatal period</u>	Dr. Daniela Much Prof. Rosalina Barroso Dr. Chiara Tabasso	Own mother's milk is a low cost intervention as high dose and long exposure reduce the incidence of chronic infant co-morbidities. However the breastfeeding journey might be challenging at the beginning, particularly in high-risk populations such as mothers with a preterm infant. In this webinar you will learn which best practices have proven to be efficient to initiate lactation and increase the dose of mother's own milk on the NICU. Moreover you will learn more about how to personalize pasteurized Donor Human Milk with strategies able to restore and modulate the intestinal microbiota.
<u>Hypolactation: Risk factors, diagnosis, and treatment</u>	Laurie Jones	This one hour course will outline the educational gap of exocrine breast physiology among health care providers. It will discuss risk factors for hypolactation and include management strategies to treat suboptimal milk volumes.

Title	Presenter	Overview
<p><u>Improving Mothers' Own Milk Provision at NICU Discharge: Optimizing Achievement of Secretory Activation and Coming to Volume as Key Strategies</u></p> <p> The CPD Certification Service</p>	Prof. Paula Meier	<p>Embedded in this approach is evidence that the mammary gland undergoes essential programming during the first two weeks postpartum, which can be measured with biomarkers, and is essential to long-term mothers' own milk (MOM) provision. Clinical strategies that target the early postpartum period will be highlighted, including species-specific mammary gland stimulation, monitoring of MOM biomarkers of secretory activation and assessment of coming to volume. Additionally, the distinction between impaired secretory differentiation and delayed/impaired secretory activation in this population will be discussed, with application to NICU mothers who have multiple inflammation-based morbidities that increase the risk for lactation problems.</p>
<p><u>Infant pain management: Can we do better in 2022?</u></p>	Sharyn Gibbins, NP, PhD	<p>This webinar will briefly describe an approach to developing a comprehensive pain program for infants. It will define infant pain and its short and long term consequences while offering evidence based approaches to care. An in-depth review of sucrose, non-nutritive sucking and breastfeeding will further guide clinical practice. Thought provoking suggestions will be shared and opportunity for group problem solving will be encouraged.</p>
<p><u>Is hands-free in-bra pumping effective?</u></p> <p> The CPD Certification Service</p>	Donna Geddes	<p>Wearable or Hands-free in-bra pumping is popular amongst women who seek flexibility and/or efficiency of milk removal. However, this new modality of expression involves several design feature considerations that may have the potential to impact performance compared to traditional pumping systems, although to-date the efficiency and effectiveness of this modality has not been tested. In order to address this gap we have developed new protocols to explore hands-free in-bra pumping and used these methods to investigate the impact on the efficacy of a hands-free in-bra double pumping system, including effectiveness (volume expressed, percentage available milk removed, how well the breast was drained), milk ejection characteristics (timing stimulation of milk ejection and milk flow), nipple changes (nipple temperature, and size) and comfort ratings. Furthermore, we will present data on the increased flexibility of maternal mobility, perceptions, and confidence of the pumping experience.</p>

Title	Presenter	Overview
<u>Mother's milk markers: How do we measure, predict (and modify) lactation success?</u>	Rebecca Hoban	This course will briefly review the biology of early lactation, the evidence and feasibility behind measures and biomarkers of lactation success, and explore how biomarkers might be utilized clinically to improve lactation outcomes.
<u>Mother's own milk vs donor human milk</u>	Jenny Murray, Angela Groshner	This course discusses the value of human milk for both term and premature infants and the importance of mother's own milk (MOM) vs donor human milk (DHM) especially for the vulnerable infant population. It focuses on the importance of initiating, building, and maintaining sufficient volumes of MOM. This is an effort to reduce economic impact as well as concerns with DHM use, which will also be reviewed. Education and support for the clinical professional as well as for the family will be offered.
<u>Nipple shields: Creating a supportive approach</u>	Donnianne Noble	In this course, lactation consultant Donnianne Noble, explores the possible impacts of nipple shield use on the breastfeeding dyad. A thorough look at current research and social perceptions of nipple shield use will be explored. A focus on improving underlying latch problems, avoiding common nipple shield pitfalls and suggestions for optimal education and follow-up will be discussed.
<u>Now What? The Impact of COVID on Human Lactation in the Black Community</u>	Nastassia Davis	This course seeks to present the lived experience from Black birthing people as they navigated breastfeeding/chestfeeding in a COVID world. Our goal is to reshape and reimagine the breastfeeding experience for Black women by highlighting their triumphs over their struggles.
<u>Prenatal colostrum expression and collection: A creative and empowering approach to enhance breastfeeding outcomes</u>	Staci Gallman	Breastfeeding provides immense health benefits for both infants and mothers. It is also acknowledged as a key strategy to improve public health; yet our exclusive breastfeeding rates remain suboptimal.

Title	Presenter	Overview
<u>Protecting human milk and breastfeeding in a COVID-19 world and beyond</u>	Diane L. Spatz, Lars Bode	The COVID-19 pandemic raised many questions with respect to breastfeeding and changed the clinical care of childbearing families. This course aims to identify strategies to protect lactation physiology and ensure that all families in need receive equal access to evidence-based lactation education, care and technical assistance.
<u>Protecting the feeding experience of the neonate</u>	Sandra Sundquist Beauman	One of the most common practices in the NICU is the use of a gastric tube for enteral feedings. However, there are known risks to the use of a tube that will be addressed and discussed in this course. Clinical practices that involve parents in the tube feeding of their infant, decrease pain associated with the feeding experience and some recent research that may lead to earlier discharge while maintaining patient safety will be discussed as well.
<u>Racial disparities in maternal health outcomes: Strategies to narrow the gap</u>	Bonnie DiPietro, Blair Eig	This course encourages, motivates, and inspires others to take on similar initiatives to address racial disparities in maternal health care and implement quality and safety measures to improve outcomes for pregnant and post-partum women.
<u>Safe handling of human milk within healthcare facilities</u>  The CPD Certification Service	Caroline Steele	Learn about the latest recommendations, research, and best practices with regards to human milk handling within the healthcare setting and consider ideas to implement within your hospital to improve patient safety.
<u>Test weighing of breastfeeding premature and medically complex infants: State of the science, barriers, and facilitators of the technique</u>	Barbara Haase	This course discusses the state of the science of test weighing to measure breast milk intake for premature and medically complex infants. It also covers barriers and facilitators of the use of test weighing in the high-risk nursery setting to support breastfeeding at the breast. From an initial publication on the development of an accurate test weighing technique, this course also reviews the experiences with use of the technique and recommendations for clinical practice.


Title	Presenter	Overview
<u>The antibody response against SARS-CoV-2 (COVID-19) in human milk</u>	Rebecca Powell	In this course, Dr. Powell will describe the human milk immune system, focusing on the antibody response after infection or vaccination, and the functions of those antibodies for infants, or as a potential therapeutic for all. Specifically, you will learn about current research on the human milk antibody response to SARS-CoV-2 infection, and very recent data on the milk antibody response following vaccination against COVID-19.
<u>The importance and benefits of human milk banking</u> 	Jonathan Bautista	All babies deserve access to the best nutrition possible. For very low birthweight babies, breast milk is not just the best nutritional source, it can be a medical necessity. But not all mothers are able to breastfeed. Human Milk Banks provide a valuable service to ensure the most fragile infants have access to human milk to help them heal and thrive when mom's own milk isn't available or not enough to feed her baby.
<u>The psychosocial impact of COVID-19 on NICU families</u>	Kelli D. Kelley	In this course, we will learn more about the direct and indirect impact of COVID-19 on NICU families and explore strategies to provide family-centered care to support families during COVID-19 and beyond.
<u>The role of antenatal screening and postnatal point-of-care testing in maximizing milk production and extending lactation</u> 	Prof. Donna T. Geddes	<p>Several anatomical, metabolic, and psychosocial factors, not routinely identified in pregnancy are associated with reduced exclusivity and duration of breastfeeding. Identification of pregnant women at high risk of low milk production creates a window for early targeted education and intervention. This screening in combination with point-of-care milk testing that can detect delayed secretory activation, breast inflammation or infection, and low milk production, directly informs lactation care that may optimize breastfeeding outcomes.</p> <p>These advances in clinical lactation practice are urgent due to the increasing prevalence of pregnancy complications that we have found to be associated with low milk production. Furthermore, it is critical that fundamental research is carried out to elucidate which biological mammary gland pathways are dysregulated during these complications in order to develop evidence-based interventions to improve lactation outcomes.</p>

Title	Presenter	Overview
<u>The science of human lactation – from discovery to translation</u>	Prof. Donna T. Geddes	<p>In this talk, Professor Geddes will discuss her research which uses the latest technology to investigate breastfeeding patterns, explore why some women feel pain during breastfeeding, and as well, understand how our vulnerable preterm babies feed at the breast.</p> <p>She will discuss what to expect when breastfeeding, ways to overcome pain experienced during breastfeeding by some women, and will outline how milk changes in response to the mums and the baby's health to protect them both. With this knowledge we can reassure or advise breastfeeding mums with more confidence along their breastfeeding journey.</p> <p>This webinar is hosted by UWA and Medela AG as part of the UWA Research Impact Series.</p>
<u>Transitioning vulnerable infants to breastfeeding prior to discharge</u>	Taryn Edwards and Diane Spatz	<p>Infants born with congenital surgical anomalies face significant challenges within the new-born period, and human milk/breastfeeding may not be viewed as a priority. In many hospitals, nurses refer families to lactation consultants for all breastfeeding assistance and support.</p>

eLearning courses

Category: eLearning Course

Title	Overview
<p><u>Anatomy of the lactating breast</u></p>  <p>The CPD Certification Service</p>	<p>This is the first module from the anatomy and physiology of the lactating breast series.</p> <p>Evidence based care, established from an understanding of the basic principles of lactation and mammary gland function is imperative to improve breastfeeding rates and subsequently the health and wellbeing of breastfeeding women, infants', and their families.</p> <p>This series aims to develop an understanding of the anatomy and physiology of the lactating breast to drive timely and effective secretory activation to establish a copious milk supply through lactation best practices.</p> <p>This lesson focuses on the anatomy of the lactating breast.</p>
<p><u>Physiology of the lactating breast: Secretory differentiation</u></p>  <p>The CPD Certification Service</p>	<p>This is the second module from the anatomy and physiology of the lactating breast series.</p> <p>Evidence based care, established from an understanding of the basic principles of lactation and mammary gland function is imperative to improve breastfeeding rates and subsequently the health and wellbeing of breastfeeding women, infants', and their families.</p> <p>This lesson is part of the anatomy and physiology of the lactating breast series and aims to understand the physiological breast changes from neonate to the end of pregnancy, focusing on breast growth during pregnancy known as secretory differentiation.</p> <p>This series aims to develop an understanding of the anatomy and physiology of the lactating breast to drive timely and effective secretory activation to establish a copious milk supply through lactation best practices.</p>
<p><u>Physiology of the lactating breast: Secretory activation</u></p>  <p>The CPD Certification Service</p>	<p>This is the third module from the anatomy and physiology of the lactating breast series. In this lesson you will learn the science around secretory activation. Moreover, you will learn how lactocytes (milk-making cells) activate milk synthesis to establish a copious milk supply through: Early, frequent and effective breast stimulation during the critical window after birth.</p> <p>Evidence based care, established from an understanding of the basic principles of lactation and mammary gland function is imperative to improve breastfeeding rates and subsequently the health and wellbeing of breastfeeding women, infants', and their families.</p>

Title	Overview
<p><u>Physiology of the lactating breast: Building and maintaining milk supply</u></p>  <p>The CPD Certification Service</p>	<p>This is the fourth module in the physiology of the lactating breast series. Following secretory activation, the lactating breast enters the build phase of lactation. You will learn how daily milk production rapidly increases through a dynamic of supply and demand, with a full milk supply being established between 2 and 4 weeks post-partum.</p> <p>The module will also cover best practices to support building and establishing a copious milk supply. These include frequent and effective milk removal, how oxytocin plays a key role in milk transportation and factors that inhibit and support milk ejection. Relevance to practice for both breastfeeding and pump-dependent mothers will be described.</p>

German courses

Course name starts with "_DEUTSCH"

Titel	ReferentInn(en)	Übersicht
<u>Ein Staffellauf - die Milchbildung von Anfang an unterstützen</u>	Manuela Burkhardt, Nicole Rohnert	<ul style="list-style-type: none"> Einflussfaktoren auf die Milchbildung Phasen der Milchbildung und Einsetzen der Laktation Stillhormone und Ihre Bedeutung Risikofaktoren für die Milchbildung Unterstützung nach Sectio Interdisziplinäre Zusammenarbeit
<u>Evidenz für die Gewinnung von Muttermilch: Handentleerung versus Abpumpen</u>	Daniela Much	<ul style="list-style-type: none"> Verschiedene Handtechniken im Einsatz Evidenz zur Gewinnung per Hand und deren Bewertung Evidenz zur Gewinnung durch Abpumpen und deren Bewertung Wichtige Massnahmen zur Förderung der Milchproduktion
<u>Kinder mit besonderen Bedürfnissen</u>	Manuela Burkhardt, Nicole Rohnert	<ul style="list-style-type: none"> Welche Kinder haben in Bezug auf das Füttern "besonderen" Bedürfnisse? Muttermilch als "Medizin" Muttermilch und Stillen bei <ul style="list-style-type: none"> Hypoglykämie Saugschwäche Frühgeborene Spaltfehlbildungen
<u>Orale Therapie mit Muttermilch</u>	Manuela Burkhardt, Nicole Rohnert	<ul style="list-style-type: none"> Warum ist die orale Therapie mit Kolostrum/eigener Muttermilch wichtig? Wichtige Inhaltsstoffe Kolostrum / Muttermilch Immunfaktoren, Stammzellen und HAMLET Wann und wie erfolgt die orale Therapie
<u>Stillen bei Diabetes - gesundheitliche Vorteile für Mutter und Kind</u>	Daniela Much	<ul style="list-style-type: none"> Häufigkeit von Diabetes in Deutschland Stillverhalten bei Frauen mit/ohne Diabetes Aktuelle Empfehlungen zur Stilldauer Zusammenhang zwischen Typ 1 Diabetes und Gestationsdiabetes auf den BMI des Kindes Stillen und die kindliche Gesundheit Stillen und mütterliche Gesundheit S3-Leitlinie Gestationsdiabetes mellitus (GDM) Unterstützung des Stillmanagements
<u>Symphony PLUS Online Schulung</u>		<ul style="list-style-type: none"> Schulung zur Montage und Bedienung der Milchpumpe Symphony sowie der Programmkarte Symphony PLUS. Richtiger Umgang mit abgepumpter Muttermilch und Brustpflege Reinigung und Hygiene der Milchpumpe Symphony Praxisnahe Gesprächsleitfaden für die Abwicklung vor und nach der Vermietung

Presenters

Amanda Butner	<p>A nurse for 11 years, Amanda is a BSN with honors graduate of Chamberlain University in 2011. She began her nursing career in acute care working in an ICU, a role she held for eight years. It was while working in critical care that she discovered her passion for connecting with not only her patients, but their families as well. Becoming an Admission Coordinator at Hospice of the Valley allowed her to connect her passion for helping patients and families with an opportunity to support them as they transitioned back to the community. Amanda then accepted a role in leadership within the agency, a role she currently holds as team leader of Ryan House's and Hospice of the Valley's pediatric programs. In this capacity, she oversees pediatric home-based and inpatient hospice, palliative care, and perinatal palliative care. Amanda is a founding member of the Arizona Pediatric Palliative Care Coalition, which is dedicated to increasing access to quality pediatric palliative care programming and bereavement support throughout the state of Arizona. When not fully immersed in making sure the community knows about the robust resources available for children at Ryan House and in the community, you can find Amanda traveling, hiking, and spending time with her family.</p>
Angela Groshner MSN, RN, CCRN, CBC	<p>Angela Groshner, MSN, RN, CCRN, CBC, began her career 11 years ago in neonatal intensive care. She has been a neonatal nurse for the past 9 years and has served in nursing leadership roles within the NICU. Angela also provided community nursing for low income pregnant women, and children birth to three years, if effort to promote healthy prenatal outcomes and improve the development of young children. Her experience in those roles has driven her love for improving clinical practice and educating clinicians, especially as it relates to advancements in practice and outcomes in the neonatal population. Angela currently works as a Clinical NICU Specialist for Medela LLC.</p>
Barbara Haase PhD, MSN, CPNP-PC, IBCLC	<p>Dr Barbara Haase is an Assistant Professor of Nursing at the University of Wisconsin-Milwaukee in the College of Nursing. She has practiced extensively as a certified paediatric nurse practitioner, international board-certified lactation consultant and clinical researcher with a focus on lactation and breastfeeding support of women and their families with premature and medically complex infants. She has published on the topics of test weighing hospitalized breastfeeding infants, human milk feedings in the NICU, colostrum collection techniques for breastfeeding women in the early postpartum period, treatment of insufficient breast milk supply, and the efficacy of the IBCLC role.</p>

<p>Billie Winegard</p>	<p>A physician for 10 years, Billie is a graduate of The University of Arizona College of Medicine - Phoenix in 2012. It was during this time that she discovered her passion for caring for and finding connection with kids and their families. This led her to complete a pediatric residency at Phoenix Children's Hospital/Maricopa Medical Center in 2015 and a fellowship in Pediatric Hospice and Palliative Medicine from Nemours Children's Hospital in 2016. She had the honor of bringing Pediatric Palliative Care to central Illinois at the Children's Hospital of Illinois before moving back to Arizona where she serves as an attending physician at Phoenix Children's Hospital and as a Pediatric Medical Director for Hospice of Valley. In these roles, she works closely with the interdisciplinary teams as the physician lead for the Perinatal Palliative Care Programs for both organizations.</p>
<p>Blair Eig MD, MBA, MA</p>	<p>Blair Eig is currently the President and CEO of the Maryland Patient Safety Center, the nonprofit Patient Safety Organization designated by the State of Maryland. He was previously the Chief Medical Officer for 19 years for the Holy Cross Health system, the Maryland Region of Trinity Health.</p> <p>Blair is a Clinical Professor of Pediatrics at the George Washington University School of Medicine. He has previously been the President of the Medical Staff at Children's National, the Chair of the Laboratory Advisory Committee for the State of Maryland, the Board Chair for the Maryland Healthcare Education Institute, and a member of the Executive Committee of the Maryland Hospital Association.</p>
<p>Bonnie DiPietro RN, MS, NEA-BC, FACHE</p>	<p>Ms. DiPietro has more than 40 years of healthcare experience, holding clinical, educational, management and executive positions throughout the Baltimore-Washington metro area. She holds both a Master of Science degree in Nursing Administration and a Bachelor of Science (nursing) degree from the University of Maryland. She is active in many local and national professional organizations. In her role at the Maryland Patient Safety Center she provides coordination of all the Center's collaboratives, education and conference offerings and serves as manager of day to day operations for the organization.</p>
<p>Caroline Steele MS, RD, CSP, IBCLC, FAND</p>	<p>Caroline Steele is the Director of Clinical Nutrition and Lactation at Children's Hospital of Orange County. Caroline is a pediatric registered dietitian with over 26 years of experience. She is a Board-Certified Specialist in Pediatric Nutrition, an International Board Certified Lactation Consultant, and a Fellow of the Academy of Nutrition & Dietetics. Caroline has many professional publications and is a frequent lecturer on a variety of topics including breastmilk and formula handling, parenteral nutrition, and malnutrition documentation. She is also the co-editor and an author of the 2019 3rd edition of the Academy of Nutrition and Dietetics' publication Infant and Pediatric Feedings: Guidelines for Breastmilk and Formula Preparation in Health Care Facilities and was an author in the 2nd edition of the publication.</p>

<p>Chiara Tabasso Nutritional Biologist, Donor Human Milk Bank of Mangiagalli Hospital, Milan, Italy</p>	<p>Dr. Chiara Tabasso is a Nutritional Biologist working since many years in the Donor Human Milk Bank "Nutrici" and Nutrition Center Mangiagalli, IRCCS Ospedale Maggiore Policlinico Milan, in Italy. She is personally involved in analysis of donor human milk, donors' screening and several research activities focused on donor human milk and human milk, such as the inoculation and personalization of donor human milk. Dr. Tabasso has applied her expertise in biology to nutritional science, so her research activities also cover nutritional assessments and studies about body composition of mothers and their children.</p>
<p>Daniela Much Scientific Manager, IBCLC (M.Sc.)</p>	<p>Daniela Much, PhD, IBCLC is Scientific Manager at Medela Europe since 2018. Before joining Medela, she was study coordinator and researcher at Technical University Munich and Helmholtz Center Munich, with over 10 years of experience in clinical trials in breastfeeding and lactating women and their infants. Her areas of research interest include the importance of effective lactation initiation in high-risk populations and proactive management of lactation care of mothers with preterm infants using a quality improvement approach. Dr. Much has published her work in several peer-reviewed journals and is speaker at national and international conferences.</p>
<p>Danielle Prime PhD</p>	<p>Danielle completed her PhD in Biochemistry in 2010 at The University of Western Australia with Professor Peter Hartmann and the Human Lactation Research Group. The focus of her research has been centred on understanding more about the basic physiology of human lactation, to provide evidence-based knowledge to clinicians and mothers.</p> <p>Danielle is a member of the Medical Research team at Medela, Switzerland since May 2012. One of her major roles is to keep abreast of the latest research into human milk and lactation, and endeavour to communicate this knowledge both internally (within Medela) and externally (medical and research community).</p>

<p>Darlene Silver MSN, RN, IBCLC</p>	<p>Darlene Silver MSN, RN, IBCLC is a native of Perth Amboy, New Jersey and currently resides in Upper Marlboro, MD. For over 30 years, Darlene's career has primarily focused on the care of women, infants and children, as well as nursing education with a commitment to working in underserved communities. She currently works as the lead lactation consultant in the Women's Services Department at the George Washington University Hospital. She provides direct patient care. She also educates newly hired nurses, lactation consultant interns and medical students on the care and management of breastfeeding dyads and human lactation. In addition, she participates in multidisciplinary committees and workgroups to revise and develop evidence-based protocols and policies.</p> <p>Darlene has served on the Board of Directors for three non-profit organizations. Two focusing on increasing the number of students from underserved communities to pursue careers in nursing, medicine, healthcare and STEM professions, and one providing community based residential care and services to individuals and families with long-term mental health challenges in Prince George's County. She fervently believes in community service and regularly volunteers in community based activities sponsored by local, state and national organizations dedicated to health and wellness.</p>
<p>Diane L. Spatz PhD, RN-BC, FAAN</p>	<p>Diane L. Spatz, PhD, RN-BC, FAAN is a Professor of Perinatal Nursing & the Helen M. Shearer Professor of Nutrition at the University of Pennsylvania School of Nursing sharing a joint appointment as a nurse researcher and director of the lactation program at the Children's Hospital of Philadelphia (CHOP) and the clinical coordinator of the CHOP Mothers' Milk Bank.</p>
<p>Donna Geddes Professor, School of Molecular Sciences @The University of Western Australia</p>	<p>Professor Geddes is internationally renowned for her novel work with ultrasound imaging that has revolutionized our understanding of the anatomy of the lactating breast, milk ejection and blood flow, as well as the infant's sucking technique, suck-swallow-breathe co-ordination, gastric emptying and body composition of both the term and preterm infant. She has since expanded her range of research interests to include the synthesis and removal of milk from the breast, the composition of human milk and its impact on the growth and body composition of breastfed infants, the investigation of HM metabolites and the search for biomarkers that are indicative of breast dysfunction.</p>
<p>Donna Warr RN, IBCLC</p>	<p>Donna currently works as a lactation consultant through Lee Health's Family Education and Lactation Services in Southwest Florida. With over 30 years of experience as a NICU nurse, Donna understands the challenges that new families face, particularly when encountering so many different caregivers throughout their prenatal and labour and delivery experience – and the confusion that inconsistent or mixed messages from these different caregivers can cause. She has also published an article, "After the loss of an infant: Suppression of breast milk supply", in Neonatal Network The Journal of Neonatal Nursing's July/August 2019 issue.</p>

<p>Donnianne Noble BSN, RN, IBCLC</p>	<p>Donnianne Noble received her RN degree in 2004, deciding at that time to dedicate her education, skills and expertise to working with new families in their transition to parenthood. For the last 17 years, Donnianne worked as a lactation consultant, staff educator and charge nurse in the Postpartum and Breastfeeding Clinic at EvergreenHealth in Kirkland, Washington, the first Baby-Friendly Hospital in North America. Donnianne has spoken at regional breastfeeding conferences and created online lactation learning modules always focusing on increasing maternal self-efficacy with the goal of helping mothers reach their breastfeeding goals.</p>
<p>Jean Rhodes PhD, CNM, IBCLC</p>	<p>Jean Rhodes has been involved in the care of women and infants for over 30 years. With nurse-midwifery as the philosophical base of her practice, Jean developed a postpartum home follow-up program at the MUSC tertiary care hospital to improve the continuity of care and provide better support of new mothers and their infants. She became an IBCLC in 2001 and, since then, has focused her clinical practice on lactation support of normal and high risk mother and infants. Her areas of research and publication include a wide range of topics from the philosophy of art and aesthetics as it applies to the art of nursing practice to the more clinically-based issues of the refrigerator shelf life of human milk and the process of test weighing to accurately determine infant intake at breast.</p>
<p>Jenny Murray BSN RN IBCLC</p>	<p>Jenny Murray, BSN, RN, IBCLC began her career over 20 years ago as a neonatal nurse in neonatal intensive care. She has since served in a variety of nursing leadership roles within the NICU. Her experience in those roles has driven her love for education and research, especially educating and supporting clinicians in the advancing, innovative world of neonatology. Jenny currently works as a Clinical NICU Specialist for Medela LLC.</p>
<p>Jenny Thomas MD, MPH, IBCLC, FAAP, FABM</p>	<p>Dr. Jenny Thomas is a pediatrician and breastfeeding medicine specialist in Franklin, Wisconsin and is a Clinical Assistant Professor of Community and Family Medicine and Pediatrics at the Medical College of Wisconsin (MCW). She received her MD from MCW in 1993, and her MPH in 2011. She has been an International Board Certified Lactation Consultant (IBCLC) since 2003. She is now serving on the American Academy of Pediatrics (AAP) Section on Breastfeeding Executive Board after spending several years as the Chief of the Chapter Breastfeeding Coordinators. She recently stepped down after 6 years on the Executive Board of the Wisconsin Chapter of the AAP. She is a founder and an Immediate-past Chairperson of the Wisconsin Breastfeeding Coalition. She has received national awards for teaching, advocacy for children, and innovation within her practice and community. She is one of only a few physicians internationally to be recognized as a Fellow of the Academy of Breastfeeding Medicine (FABM) for her expertise on breastfeeding.</p>

<p>Kelli D. Kelley CEO Hand to Hold</p>	<p>Kelli D. Kelley is the Founder and CEO of Hand to Hold, a US non-profit organization dedicated to providing education and support for Neonatal Intensive Care Unit and bereaved families. A NICU graduate parent who suffered from psychosocial issues for years after her children's early births, she now invests her time and talents to raise awareness about the high incidence of anxiety, depression and post-traumatic stress disorder among these parents and the long-term implications for the baby and family.</p> <p>Kelli serves as Vice President of board of directors of the US National Coalition for Infant Health.</p>
<p>Kristin Elgersma DM, MN, RN, PhD (C)</p>	<p>Kristin Elgersma, DM, MN, RN, is a Ph.D. candidate at the University of Minnesota School of Nursing, a current NIH NRSA F31 Fellow, and a parent of a child born with critical congenital heart disease (CHD). Her work focuses on feeding for infants with CHD, with a particular interest in human milk feeding and direct breastfeeding as a means of optimizing infant health and providing family-centered, developmental care. Dr. Elgersma holds previous doctoral and master's degrees in piano performance from Northwestern University.</p>
<p>Lars Bode PhD</p>	<p>Dr. Lars Bode is Professor of Pediatrics, Division of Neonatology and Division of Pediatric Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, and the Director of the LRF MOMI CORE at the UC San Diego School of Medicine. His laboratory focuses on human milk oligosaccharides (HMOs), a group of complex sugar molecules that represent the third most abundant component of human milk after lactose and lipids. The goal of Dr. Bode's research is to understand how HMOs are synthesized in the human mammary gland and how they benefit the breast-fed infant and potentially also the breastfeeding mother.</p>
<p>Laurie Jones MD, FAAP, IBCLC, FABM</p>	<p>Dr. Laurie Jones is a Clinical Assistant Professor of Pediatrics at the University of Arizona Phoenix School of Medicine and teaches second and fourth year medical students. She is the founder of Dr. MILK which is a 32,000+ person international support network for physician parents that are breastfeeding, and she is a presenter and speaker for the non-profit IABLE organization that trains physicians in competency-based knowledge and care of lactating parents and their children.</p>
<p>Leslie A. Parker PhD, APRN, NNP-BC, FAAN</p>	<p>Associate Professor, College of Nursing, University of Florida Leslie Parker has a dual position at the College of Nursing and the College of Medicine at the University of Florida where she is an associate professor. She has been a neonatal nurse practitioner since 1990 and continues to practice as a NNP in the NICU at UF Health. She was the tract coordinator of the neonatal nurse practitioner program from 1992-2011. She has been funded by the National Institutes of Health for her team's work regarding neonatal nutrition including the risks and benefits of gastric residual evaluation and optimizing consumption of breast milk for preterm infants. Leslie and her team were recently awarded an RO1 from the National Institutes of Health to study feeding tube contamination.</p>

<p>Lori Wood MSN, CNS, RNC-NIC, IBCLC</p>	<p>Lori Wood is a Neonatal/Pediatric Clinical Nurse Specialist at Desert Regional Medical Center in Palm Springs, CA. A neonatal nurse for 36 years, Lori began her career as a bedside neonatal nurse for 10 years before moving into a Clinical Manager position and has been in her current role since 2010. Lori has been certified in Neonatal Intensive Care Nursing since 1990 and is also an International Board Certified Lactation Consultant. Sharing her passion for mentoring, nursing as a profession, and restoring health to mothers, babies and families is of importance. Promoting the use of human milk in the NICU and sharing evidence-based knowledge is a primary focus. Lori participates in numerous community based groups promoting breastfeeding and the use of human milk, neonatal nursing, and nursing education and professionalism.</p>
<p>Manuela Burkhardt</p>	<p>Hebamme, Lehrerin für Hebammenwesen, Heilpraktikerin, Still- und Laktationsberaterin IBCLC, Fortbildungsbeauftragte bei Medela.</p>
<p>Nastassia Davis DNP, MSN, RN, IBCLC</p>	<p>Nastassia Davis is a licensed nurse Dr. Nastassia Davis is a licensed registered nurse with over 15 years' experience in perinatal nursing and became an International Board Certified Lactation Consultant in 2009. In 2018, she went on to found a nonprofit, the Perinatal Health Equity Foundation where she serves as the executive director. Through the nonprofit, Nastassia established Sistahs Who Breastfeed, a breastfeeding support group for black women which operates in several NJ cities. Nastassia's research and clinical interests include implicit bias/racism in healthcare, breastfeeding in the black community, obstetrical violence, high risk OB, and reproductive justice.</p>
<p>Neena Modi, Professor</p>	<p>Prof. Neena Modi has held a number of previous health leadership roles. She is the immediate past-president of the British Medical Association and UK Medical Women's Federation, and past-president of the UK Royal College of Paediatrics and Child Health. She has also headed the UK Neonatal Society and Academic Paediatrics Association of Great Britain and Ireland.</p> <p>Prof. Modi leads a multidisciplinary neonatal research group focused on improving the health and life-long wellbeing of infants born preterm or sick. She has published over 350 peer reviewed original research papers, chapters in textbooks, reports, and other publications. She leads the UK National Neonatal Research Database and eNewborn, an International Neonatal Research Database. Prof. Modi is committed to the values of health equity, social justice, and high quality, publicly provided and delivered healthcare.</p>
<p>Nicole Rohnert</p>	<p>Kinderkrankenschwester, Still- und Laktationsberaterin IBCLC, Heilpraktikerin, Fortbildungsbeauftragte bei Medela</p>

<p>Paula Meier Professor, PhD, RN</p>	<p>Paula Meier, PhD, RN, is a Professor of Paediatrics and Nursing at Rush University Medical Center in Chicago. Dr. Meier has worked as a practitioner, researcher, and educator in the area of human milk, lactation and breastfeeding for premature infants and their mothers since 1975.</p> <p>Dr. Meier's lifetime research focus has been on the improvement of initiation and maintenance of lactation in breast pump-dependent mothers of NICU infants, and in the development and testing of clinical techniques to optimize the impact of human milk on health and cost outcomes in NICU infants.</p>
<p>Rebecca Hoban MD, MPH</p>	<p>Dr Rebecca Hoban is a staff neonatologist and the Director of Breastfeeding Medicine at The Hospital for Sick Children ("SickKids") in Toronto, and an Associate Professor of Paediatrics at the University of Toronto. Dr Hoban graduated from Indiana University School of Medicine and completed a paediatric residency at Cincinnati Children's Hospital, a neonatal-perinatal medicine fellowship at Tufts University, and a MPH at Harvard before joining the Neonatology and Human Milk Research team at Rush University Medical Center in Chicago. Dr Hoban joined SickKids in 2017 as neonatology staff, with a focus on human milk. Current projects include improving mother's milk provision in the NICU, milk biomarkers to predict lactation success, inflammatory markers in human milk, and fresh milk as potential stem cell therapy in premature infants with intraventricular haemorrhage.</p>
<p>Rebecca Powell Assistant Professor, PhD CLC</p>	<p>Dr Rebecca Powell is an Assistant Professor of Medicine and Infectious Diseases at Mount Sinai's Icahn School of Medicine. She studies the immune properties of human milk.</p> <p>Dr. Powell currently has several active projects aimed to fill knowledge gaps about human milk immunology, exploring: the antibody response to SARS-CoV-2 infection and vaccination; the antibody response to influenza vaccine; and the design of maternal vaccines to eliminate mother-to-child-transmission of HIV via breastfeeding.</p>
<p>Rosalina Barroso Neonatal Intensive Care Unit at Prof. Doutor Fernando Fonseca Hospital, Amadora, Portugal</p>	<p>Rosalina Barroso, MD is Head of the Neonatal Intensive Care Unit at Prof. Doutor Fernando Fonseca Hospital in Portugal. With over 20 years of clinical experience in neonatology, she was President of the Neonatal Portuguese Society from 2013 until 2016. Her areas of research interest include nutrition and infection and the link between these two. Dr. Barroso has received the "Prémio da Qualidade Maria Amélia de Mello" and the "Prémio Bial de Medicina Clínica" awards for her work in neonatology.</p>

<p>Sandra Sundquist Beauman MSN, RNC-NIC</p>	<p>Sandra Sundquist Beauman has been a neonatal nurse for her entire career, spanning almost 40 years. Sandy works at the University of New Mexico, Health Sciences Center, Department of Pediatrics as the manager of clinical trials operations in Neonatology. She has lectured extensively for many years, both nationally and internationally. She has published a number of articles and book chapters. She consults with neonatal product manufacturing companies in an effort to bring the needs of patients and the clinical team to the attention of the manufacturer/designer of medical devices. Sandy's passion is to advance the practice of neonatal nursing through education and research.</p>
<p>Sarah Bates, Dr</p>	<p>Dr. Sarah Bates is graduated from University of Wales College of Medicine in 2002 and was appointed in 2015 as a Consultant Paediatrician & Neonatologist in Swindon, where she is now the joint Clinical Lead for Neonatal Medicine. From 2017 to 2021 she was the national representative for local neonatal and special care units (LNU & SCU) to British Association of Perinatal Medicine (BAPM) Executive Committee. In 2021, she was elected as the National Quality Lead for BAPM.</p> <p>Dr. Bates is a co-author of the 2019 BAPM Extremely Preterm Framework, and she is passionate about perinatal team culture, working together to reduce death and brain injury in preterm infants through implementation of simple, low cost evidence-based interventions, with particular focus on Optimal Cord Management and Early Maternal Breast Milk. She is the PERIPrem Operational Clinical Lead across the South West of England and has been involved in national perinatal preterm optimisation toolkits for BAPM, National Neonatal Audit Programme (NNAP) and MatNeoSIP, chairing both working groups for QI toolkits to optimise Maternal Breast Milk for Preterm Babies.</p>
<p>Sharyn Gibbins, NP, PhD</p>	<p>Dr. Sharyn Gibbins is a nurse scientist, Neonatal Nurse Practitioner, quality improvement facilitator and senior leader at Trillium Health Partners in Mississauga Ontario, Canada. Her research focuses on improving outcomes for preterm infants. Her clinical passion is pain management, neurodevelopmental outcomes and nutrition science. Sharyn has expertise in building cross-continuum partnerships and relationships within and between professional groups. She is passionate about the creation, implementation and sustainability of efficient, effective, evidence based health care service models which stand the test of time.</p>