

# OCTOBER NEWSLETTER

Saskatchewan Respiratory Therapy Education Committee



## *Respiratory Syncytial Virus (RSV)*

### **WITH FLU SEASON APPROACHING WE HOPE THIS IS A HELPFUL REVIEW OF RSV**

- RSV is a highly contagious seasonal virus and the leading cause of Lower Respiratory Tract Infections (LRTI), including pneumonia and bronchiolitis in children.
- RSV-related LRTI cause approximately 3 million hospitalizations and 120,000 deaths annually among children <5 years of age.
- Most hospitalizations happen in otherwise healthy infants, highlighting the need to protect all infants against RSV. Moreover, there is evidence on the association between early-life RSV respiratory illness and recurrent wheezing/asthma-like symptoms
- Prevention strategies include maternal immunization to protect newborns, extended half-life monoclonal antibody (mAb) to provide rapid long-lasting protection to infants, and pediatric vaccines.
- Only a mAb has been approved against RSV infections in a restricted group, leaving an urgent unmet need for a large number of children potentially benefiting from preventive measures.
- Long-acting mAb are most effective at reducing the number of RSV LRTI/non-LRTI episodes, and the only intervention that prevents disease in older infants ( $\geq 6$  months old).
- There is no evidence-based treatment of RSV, only supportive care. Despite widespread use, evidence for high-flow nasal cannula (HFNC) therapy is insufficient

### **WHAT IS THE SPOOKIEST THING THAT DRAWS BLOOD?**

**a VAMPire**

### **SOCIAL MEDIA HIGHLIGHT: @DR.BEACHGEM10**

### **HAPPY RESPIRATORY THERAPY WEEK! OCTOBER 19<sup>TH</sup> TO 25<sup>TH</sup>**

**TO CELEBRATE RT WEEK WE  
WILL BE DRAWING FOR THE  
WINNER OF OUR GIVEAWAY  
ON OCTOBER 25<sup>TH</sup>**

# Educational Resources

## RESPIRATORY SYNCYTIAL VIRUS

### ARTICLE RESOURCES

- [RSV disease in infants and young children: Can we see a brighter future?](#)
- [The clinical impact of multiple prevention strategies for respiratory syncytial virus infections in infants and high-risk toddlers in the United States](#)
- [RSV Prevention in All Infants: Which Is the Most Preferable Strategy?](#)
- [Severe respiratory syncytial virus infection in children: burden, management, and emerging therapies](#)

If you're having difficulty accessing the articles SHA Library Services is a great resource available to all SHA employees. Feel free to contact them to setup a library card number to obtain off site access.

### WEBINARS

We would like to extend a thank you to AstraZeneca for sponsoring this webinar with Dr. Skomro on the topic of Spirometry Best Practices. The recording will be posted to our website soon.

### VIDEO RESOURCES

- [WEBINAR: Respiratory Syncytial Virus: What you need to know](#)
- [RSV Update for Fall 2025: Protection, Prevention, and Policy](#)
- [ReSViNET RSV Webinar - Effectiveness of RSV prevention strategies recent data](#)
- [ReSViNET RSV Webinar - Designing RSV effectiveness studies in LMICs](#)

### PODCASTS

- [Ep 111 RSV: What's syncytial anyway?](#)
- [Respiratory Syncytial Virus \(RSV\) Update - PediaCast CME 101](#)
- [#048 - Journal Club - New RSV Vaccine...](#)
- [#125 - \[Journal Club Short\] - Bivalent Prefusion F Vaccine in Pregnancy to Prevent RSV Illness in Infants](#)

### SUMMARIES & GUIDELINES

- [Respiratory syncytial virus \(RSV\) vaccines: Canadian Immunization Guide](#)



**Happy Respiratory Therapy Week!**  
**October 19<sup>th</sup> to 25<sup>th</sup>**

**To celebrate RT Week we will be drawing for the winner of our giveaway on October 25<sup>th</sup>**

**As we continue to grow this committee we are finding a need for more members. If you're interested in joining the SaskRTEC please send us an email at [saskrtec@gmail.com](mailto:saskrtec@gmail.com).**