
PEEL AUDIOLOGY & HEARING AID SERVICES

145 Queen St. E., Suite 2, Brampton Ont., L6W 3P8, TEL 874-4911

SUMMER 2010

What it Auditory Neuropathy Spectrum Disorder (ANSD)?

ANSD is a problem with the transmission of sound from the cochlea to the brain. This disorder has been diagnosed more frequently since the implementation of the Infant Hearing Program. A newborn diagnosed with ANSD will present with normal otoacoustic emissions and an abnormal or absent auditory brainstem response (ABR).

The area of the ear affected can be anywhere from the inner haircells in the cochlea to the auditory nerve itself. There is much unknown about this disorder but it is felt the signals transmitted from the ear to the brain are disorganized and not sent in a synchronous manner to the cortex.

In affected newborns, until behavioral testing can be performed, it is unknown if the symptoms are mild or severe. Some may have only slight difficulties in background noise while for others all sounds sound like static or white noise. There has been maturation in some cases while others remain the same or worsen. At the time

of diagnosis there is no way of knowing which one of these is the case. The diagnosis of this condition is frustrating for parents because there are so many unknowns. At 8 months of age we begin attempting to obtain behavioural thresholds which can range from normal to profound. When elevated thresholds are obtained babies are fitted with amplification. In many cases hearing aids are unsuccessful as they only amplify "static" while in other cases they seem to make a difference. Cochlear implants have been successful for some of the children who are not making progress with hearing aids. The important thing is that each case is different and each child needs intervention tailored to their individual case.

Peel Audiology & Hearing Aid Services is a full time audiology clinic providing complete audiological assessments for all ages including hearing aid evaluations and fittings. We offer all makes and models of hearing aids from basic to the most advanced digital technology.

Audiologists

Janet Michaud and Lynne

Burdett have been serving the Brampton community for greater than 20 years, initially at Peel Memorial Hospital and for the past 14 years in private practice.

Welcome to our new Audiologist Gail Maron

Gail has been working in the hearing industry for the past 35 years. She has worked as a dispensing audiologist, in private practice, for hearing aid manufacturers and in hospital settings. Gail brings a variety of experience to her patients and we are happy to have her as part of our team.

The Assistive Devices Program continues to provide a \$500 grant per ear for hearing aids every 3 years. All hearing aids are purchased with a minimum 30-day trial period.

www.peelaudiology.com

Appointments can be made by calling Kim or Kathy at 874-4911 or giving your patient a referral to arrange their own appointment. Referrals can also be faxed to 874-0834. If you need more referral pads please call us.

Thank you for your continued support!!

Lynne Burdett and Janet Michaud, Audiologists