“Vaccination is the Most Significant Medical Achievement”

Background

Identify means to reduce or eliminate vaccination injection fear or discomfort in an effort to avoid vaccine-preventable causes of stillbirth and damaged babies at birth.

Methods

Review and analyze relevant medical literature in English regarding vaccination practices and concerns during pregnancy.

Results

1. Effective @ 60% to 90% herd
2. Multiple shots
3. Childhood, adolescent, adult, maternal, paternal
4. Underutilized: patients, providers, policy makers (Leggett C. Canada Mothers. CMA 2014-16. Inadequate pain/fear control
5. Emotion-driven myths

Goals

1. Review epidemiology
2. Biology of immunization
3. Theobold Smith principles
4. Pain pathobiology
5. "Evidence-based" clinical strategies

Pain experience of children vs. adults

"Imprinting" of sensibility

Painful Vaccine Administration

Ipsi- and Contralateral Stimulation

Methods

1. Created logic model review database
2. Industrial review of needles
3. Review "needle phobia" (trypanophobia)
4. Child/adult sequelae of vaccination pain
5. New technologies: stamps, band-aids, patches
6. Nonpharmacologic management—IM and oral
7. Breathing: yoga
8. Gate-theory based

References