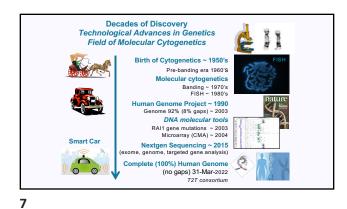
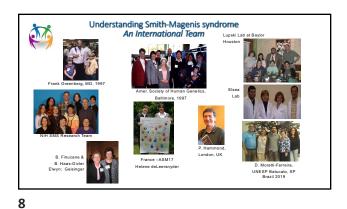
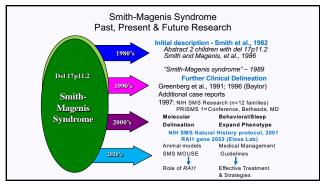


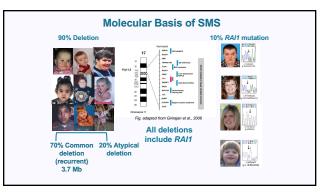
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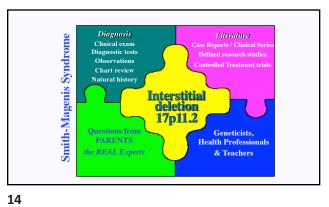






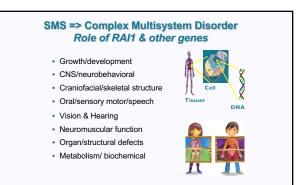


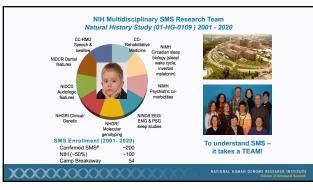


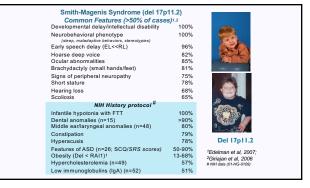


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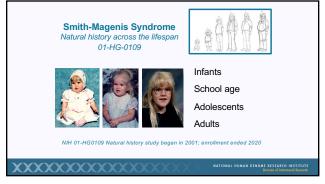


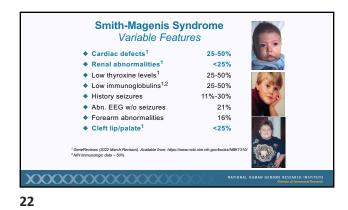








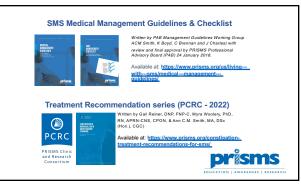




Feature	Del 17p11.21	RAI1 mutation (<30cases)2-6
Developmental delay/ intellectual delay	100%	100%
Infantile hypotonia ^{2,3}	>90%	44-61%
Speech/motor delay	>75%	70%
Sleep disturbance	75-100%	100%
Hoarse, deep voice	>80%	100%
Self-injurious behavior	75-92%	100%
Self hug	50-80%	100%
Hand/self biting	80%	60%
Craniofacial features	>75%	80%
Obesity ³	13%	67%
Middle ear/laryngeal anomalies	>75%	54.5%
Short stature	50-75%	<10%
Hearing loss	50-75%	10%
Cardiac defects (1 RAI1 case ⁶)	<25%	0% (2022 <3%)
Renal anomalies	<25%	0%

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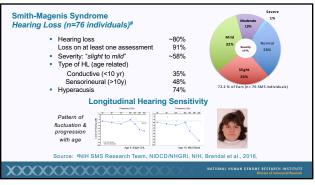




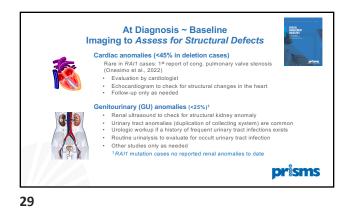


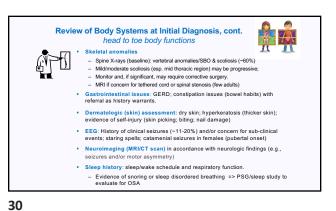












Complete blood count (CBC)
Comprehensive metabolic panel (substances in blood, including liver enzyme function)

- Thyroid function studies, including free T4 and TSH
- Fasting lipid profile (evaluation for hypercholesterolemia)
- Quantitative immunoglobulins (IgG, IgA, IgM)
- Routine urinalysis to evaluate for occult urinary tract infections.
- Vitamin D level

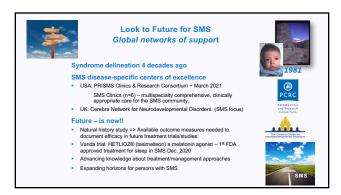
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- Multidisciplinary developmental or neuropsychological evaluation (depending on age),
- PT/OT (gross & fine motor development and functional impairments
 Comprehensive speech/language pathology evaluation
- Behavioral/emotional screening (standardized screen checklists for primary caregivers and teachers
- School age: Individualized Educational Plan (IEP) for learning/behavioral accommodations.
- Assessment of family support & psychosocial & emotional needs to assist in designing family interventions.

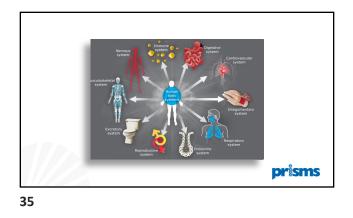


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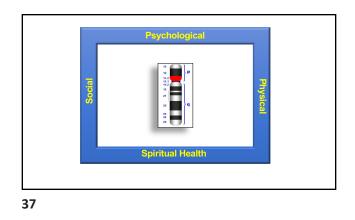


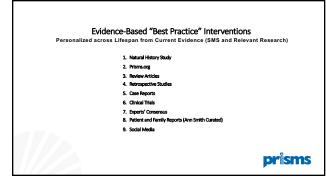






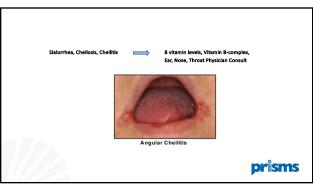
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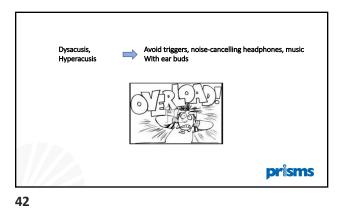


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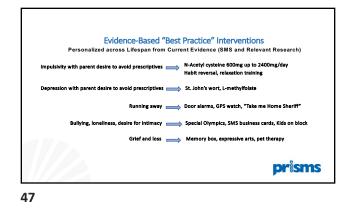






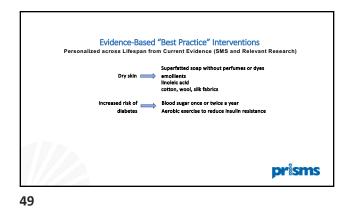


PRISMS 2022, Dallas, TX





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SMS Med. Mgment across Lifespan_Smith & Reiner

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prisms