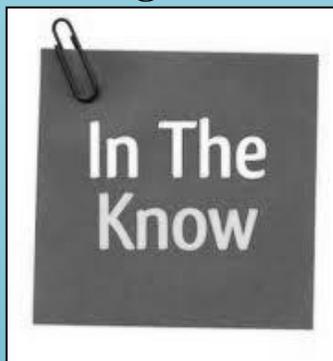




Raising Awareness! Focus on: 11 Chromosome Abnormalities you may not have heard of



imprinting, where the deletion or inactivation of genes on the maternally inherited chromosome 15 causes the paternal copy, which may be of normal sequence, to be imprinted and silenced. AS is characterized by intellectual and developmental delays, sleep disturbances, seizures, and jerky movements, but also frequent laughter or smiling and usually have a happy demeanor.

4. Turner syndrome

Description: Turner syndrome (TS) occurs when one of the two X chromosomes in females is either missing or incomplete. The most common symptoms are short stature and [gonadal dysgenesis](#), which can cause incomplete sexual development and ovarian failure and infertility. As of right now, there is no known cause of TS.

5. 22q11.2 deletion syndrome

Description: 22q11.2 deletion syndrome is caused by the deletion of a small piece of chromosome 22 near the middle of the chromosome. Because signs and symptoms of 22q11.2 deletion syndrome are varied, different groupings of symptoms were once described as completely separate conditions, named DiGeorge syndrome, velocardiofacial syndrome, and conotruncal anomaly face syndrome.

6. Triple X Syndrome

Description: Triple X Syndrome is characterized by an extra X chromosome in each of a female's cells. It does not cause any unusual physical features but is associated with the increased risk of learning disabilities and delayed development of speech and language skills.

7. Williams Syndrome

Description: Williams syndrome is caused by a deletion of genetic material from portions of the long arm of chromosome 7, a region that

consists of more than 25 genes. Researchers have identified a few of the specific genes related to Williams syndrome, but the relationship between most of the genes in the deleted region and the symptoms of Williams syndrome is still unknown.

8. Cri du Chat Syndrome

Description: Cri du Chat syndrome results from missing a piece of chromosome 5. Symptoms include a high-pitched cry that sounds like a cat, downward slant of the eyes, partial webbing or fusing of fingers or toes, and slow or incomplete development of motor skills.

9. Trisomy 13/Patau syndrome

Description: Trisomy 13, also called Patau syndrome, is a disorder in which an individual has three copies of genetic material from chromosome 13, rather than two. It can occur in three forms: Trisomy 13, which has a third chromosome 13 in all cells; Trisomy 13 mosaicism, which has a third chromosome 13 in some cells; and partial Trisomy, which has the presence of part of an extra chromosome 13 in the cells.

10. Trisomy 18/Edwards syndrome

Description: Trisomy 18, or Edwards syndrome, occurs when a person has a third copy of material from chromosome 18 instead of the usual two copies. Some symptoms include clenched hands, feet with a rounded bottom, mental deficiency, underdeveloped fingernails, and an unusual shaped chest.

11. Cat eye syndrome

Description: For individuals with cat eye syndrome, the short arm (known as 22p) and a small region of the long arm (22q) of chromosome 22 are present three or four times, rather than twice. Characteristic features of the disorder include mild growth delays before birth, mild mental deficiency, and malformations of the skull and facial region, the heart, the kidneys, and/or the anal region.

This information came from:

<http://www.friendshipcircle.org/blog/2012/05/22/13-chromosomal-disorders-youve-never-heard-of/>

Remember February is Rare Disease Month.

You've heard of Down syndrome and Fragile X syndrome, but what about Jacobsen syndrome? Or 22q11.2 deletion syndrome?

1. Wolf-Hirschhorn syndrome

Description: Wolf-Hirschhorn syndrome is caused by the deletion of the distal short arm of chromosome 4. The disorder's major features include a characteristic facial appearance, delayed growth and development, intellectual disability, and seizures.

2. Jacobsen Syndrome

Description: Jacobsen syndrome, also known as 11q deletion disorder, results from a loss of genetic material from the end of the long arm of chromosome 11. Signs and symptoms of this condition vary, but most individuals experience delayed development in motor skills and speech, cognitive impairments, learning difficulties, and some behavioral problems.

3. Angelman syndrome

Description: Angelman syndrome (AS) is an example of genomic



February Birthdays:

Gabe-6

Gracie-17

Alyssa-21

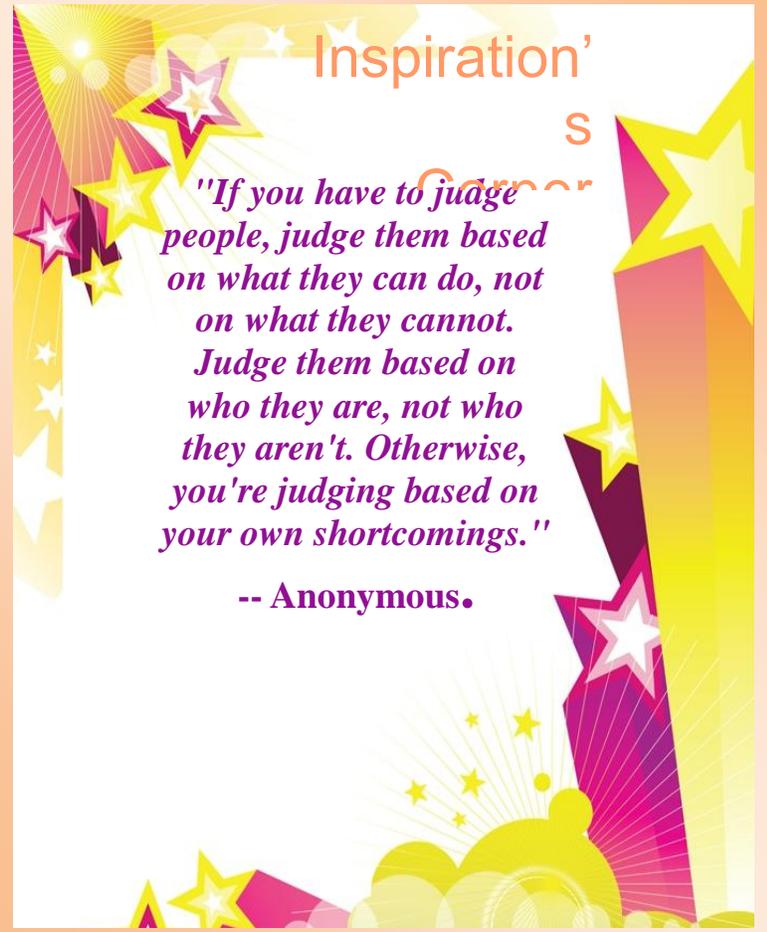
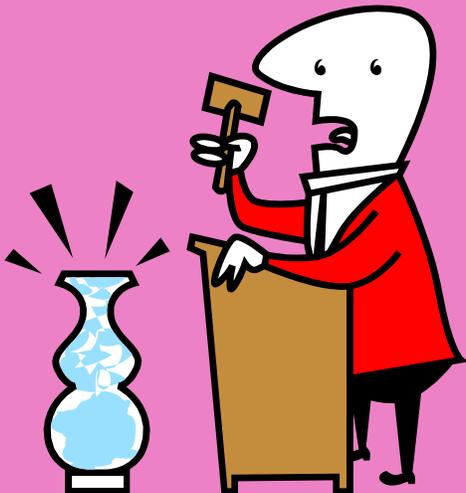
Tanner-27

Emily-27

S.C.A.N. Mission Statement:

Supporters of Children with Additional Needs (S.C.A.N.) is a 501 (c) 3 support group based in Lebanon, Missouri. S.C.A.N. supports families of children with conditions such as Down Syndrome, Autism, Multiple Sclerosis, Cerebral Palsy, and Visual Impairment, among others. Created by Terry Faust in 2010, this organization serves to provide support services and resources to families struggling to cope with these conditions. An all inclusive support group that includes not only all diagnosis but the siblings as well. Opportunities for socialization, spreading awareness and educating the public.

June 21, 2014 Make Your Plans to Attend!



Inspiration's

"If you have to judge people, judge them based on what they can do, not on what they cannot. Judge them based on who they are, not who they aren't. Otherwise, you're judging based on your own shortcomings."

-- Anonymous.

June 21, 2014 Confirmed Auction Items:

- Walt Disney World Fl- 4 one-day park hopper passes
- KC Chiefs- Autographed Memorabilia
- Flirty Frog- Girt Certificates
- HuHOT Mongolian Restaurant Spfg_ \$25.00 certificate
- RED BOX- Movie Rentals
- Cute'n'Crafty- Autism bow and Tutu Size 4
- NRO Canoes – certificates for two FREE canoe rentals
- "Santa Claus is coming to YOUR house", certificate for 1 hour personal visit in your home
- NRO Zipline- certificates for two FREE Zipline Adventures
- Kansas City Comets Soccer Team -2 passes
- Kansas City Blues Soccer Team – 2 passes
- Powell Gardens KC – 2 passes
- Casey's General Store – \$100.00 gift certificate
- Atlantis Casino Resort Spa in Reno – 3 Night Stay in the TOWER GUEST ROOM
- Madison Street Grill Downtown Lebanon - \$50.00 gift Certificate

Over the Years . . .

