## Li-Fraumeni Syndrome Education and Early Detection (LEAD) Pediatric Screening Guidelines

**Children 0 to 20 Years of Age**

Blood tests may be completed at a lab outside of MD Anderson and then sent to your doctor for review.

<table>
<thead>
<tr>
<th>Cancer Type</th>
<th>Exams and Tests (0 to 1 Year)</th>
<th>Exams and Tests (1 to 10 Years)</th>
<th>Exams and Tests (10 to 20 Years)</th>
<th>How Often</th>
</tr>
</thead>
</table>
| **General Cancers**             | A complete physical exam and brain function testing. Your medical team will teach you about signs and symptoms of the cancers on this chart. | A complete physical exam and brain function testing Your medical team will teach you about signs and symptoms of the cancers on this chart. | Exams and review of body systems:  
  - Physical exam  
  - Brain function  
  - Thyroid gland  
  - Skin  
  Your medical team will teach you about signs and symptoms of the cancers on this chart. | Every 6 months                     |
| **Adrenocortical Tumor (ACT)**  | • Blood tests  
  • Ultrasound of the abdomen and pelvis                                                        | • Blood tests  
  • Ultrasound of the abdomen and pelvis                                                        | • Blood tests  
  • Whole body MRI                                                                              | Every 6 months (until age 10)  
  Once per year (yearly) - when 10 to 20 years of age                                               | Ultrasound: Every 6 months          |
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<tbody>
<tr>
<td>Brain</td>
<td>Brain ultrasound (refer to a pediatric hospital or begin brain MRI at 1 year of age)</td>
<td>Brain MRI</td>
<td>Brain MRI</td>
<td>Yearly</td>
</tr>
<tr>
<td>Sarcoma</td>
<td>Whole body MRI (beginning at 2 to 3 years of age or per your doctor’s order)</td>
<td>Whole body MRI</td>
<td>Whole body MRI</td>
<td>Yearly</td>
</tr>
<tr>
<td>Leukemia/Lymphoma</td>
<td>Blood tests</td>
<td>Blood tests</td>
<td>Blood tests</td>
<td>Every 6 months until 10 years old Yearly - at 10 to 20 years of age</td>
</tr>
<tr>
<td>Melanoma</td>
<td></td>
<td>If needed, refer to a dermatologist</td>
<td></td>
<td>Yearly</td>
</tr>
</tbody>
</table>

**Resources**

**LFS Association**
https://www.lfsassociation.org
This association provides information, advocacy and support services for people and families with LFS. They also support researchers, medical providers and caregivers to further research and promote care for the LFS community.

**LivingLFS**
http://www.livinglfs.org/
LivingLFS encourages, educates and empowers people living with LFS by connecting them with care, resources and other families living with LFS.

**LFS Research Study at MD Anderson**
https://www.mdanderson.org/lfsstudy
This research study is led by Dr. Louise Strong. It comprises one of the largest collections of families with LFS in the world. The data and observations collected from the participants have contributed much knowledge about this rare syndrome.