

## Surveillance and management recommendations for newly diagnosed or suspected tuberous sclerosis complex (TSC)

Organ System or Specialty Area	Recommendation
Genetics	<ul style="list-style-type: none"> <li>• Obtain three-generation family history to assess for additional family members at risk of TSC</li> <li>• Offer genetic testing for family counseling or when TSC diagnosis is in question but cannot be clinically confirmed</li> </ul>
Brain	<ul style="list-style-type: none"> <li>• Perform magnetic resonance imaging (MRI) of the brain to assess for the presence of tubers, subependymal nodules (SEN), migrational defects, and subependymal giant cell astrocytoma (SEGA)</li> <li>• Evaluate for TSC-associated neuropsychiatric disorder (TAND)</li> <li>• During infancy, educate parents to recognize infantile spasms, even if none have occurred at time of first diagnosis</li> <li>• Obtain baseline routine electroencephalogram (EEG). If abnormal, especially if features of TAND are also present, follow-up with a 24-hr video EEG to assess for subclinical seizure activity</li> </ul>
Kidney	<ul style="list-style-type: none"> <li>• Obtain MRI of the abdomen to assess for the presence of angiomyolipoma and renal cysts</li> <li>• Screen for hypertension by obtaining an accurate blood pressure</li> <li>• Evaluate renal function by determination of glomerular filtration rate (GFR)</li> </ul>
Lung	<ul style="list-style-type: none"> <li>• Perform baseline pulmonary function testing (pulmonary function testing and 6-minute walk test) and high-resolution chest computed tomography (HRCT), even if asymptomatic, in patients at risk of developing lymphangioleiomyomatosis (LAM), typically females 18 years or older. Adult males, if symptomatic, should also undergo testing</li> <li>• Provide counsel on smoking risks and estrogen use in adolescent and adult females</li> </ul>
Skin	<ul style="list-style-type: none"> <li>• Perform a detailed clinical dermatologic inspection/exam</li> </ul>
Teeth	<ul style="list-style-type: none"> <li>• Perform a detailed clinical dental inspection/exam</li> </ul>
Heart	<ul style="list-style-type: none"> <li>• Consider fetal echocardiography to detect individuals with high risk of heart failure after delivery when rhabdomyomas are identified via prenatal ultrasound</li> <li>• Obtain an echocardiogram in pediatric patients, especially if younger than 3 yr of age</li> <li>• Obtain an electrocardiogram (ECG) in all ages to assess for underlying conduction defects</li> </ul>
Eye	<ul style="list-style-type: none"> <li>• Perform a complete ophthalmologic evaluation, including dilated funduscopy, to assess for retinal lesions and visual field deficits</li> </ul>