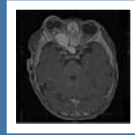


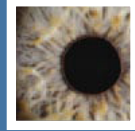
NF1 SYMPTOMS:

seizures
brain blood vessel defects
headaches
brain tumors
learning disabilities
macrocephaly - oversized head

optic glioma
(tumor of the nerve)



Lisch nodules
(benign pigmented tumors in the iris)



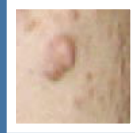
speech impairments

high blood pressure

freckling

(where skin meets skin: armpits, groin, under the breasts)

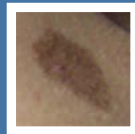
neurofibroma
(may appear anywhere on skin)



scoliosis
(abnormal curvature of the spine)

digestive tract neurofibromas
(may cause pain, vomiting, chronic constipation or diarrhea)

café au lait spots
(similar to dark birthmarks - may occur anywhere)



early or delayed puberty
(neurofibromas may increase in size and number and may also occur during pregnancy)

pseudarthrosis
(failure of a fracture to heal)

knock-knees or bowlegs
(genuvalgum or genuvarum)

bone deformities

Other complications may include delay in learning to talk or walk, short stature, poor school performance, increase in size and number of tumors during pregnancy, severe itching, psychosocial burdens, and cancer.

Source: NF, Inc.

NF2 SYMPTOMS

meningioma (and other brain tumors)

cataracts (visual impairment/blindness)

tinnitus (ringing in the ears)
hearing loss (and/or deafness)

bilateral vestibular schwannomas
(acoustic neuromas)

schwannomas of the peripheral
nerves and skin tumors

spinal tumors

Balance problems, dizziness, seizures, headaches, and general muscle wasting can be associated with NF2.