

Plants 'R Us & Associates

Drs. Dewey, Chetum, and Howe
48000 Phloem Drive Suite A
Myrtle Beach, SC 29577

Office Use Only:

No. 2507

Account Number: 29972

CPT: 73109

Patients please fill in the following information in the table below.

Last Name: <i>Appleseed</i>	First Name: <i>John</i>	Middle Initial: <i>A.</i>	Nick Name: <i>Johnny</i>	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Miss <input type="checkbox"/> Ms.	
Birthday: <i>5/05/2011</i>	Age: <i>3 yrs. old</i>	Sex: <input checked="" type="checkbox"/> M <input type="checkbox"/> F	Insurance Provider: <i>Providential Health Care Ins. Co.</i>		
P.O. Box: <i>none</i>	Street Address: <i>12th Ave Peat Moss St.</i>		City: <i>Rootsville</i>	State: <i>SC</i>	Zip Code: <i>29177</i>
Employer: <i>A.S.J. Planters</i>	Occupation: <i>Fruit Manager</i>	Home Phone: <i>(803) 423-4500</i> Cell Phone: <i>(803) 497-2436</i>	Email: <i>none</i>		
Employer Phone: <i>(803) 477-2019</i>		Referred By: <i>Dr. Rootingson</i>		Today's Date: <i>8/11/14</i>	

Patient's Chief Complaint:

Patient indicated that he was constantly thirsty and lethargic (tired) and unable to stand straight up.

Patient's History:

Patient stated that the plant manager, where he is currently employed, recently changed the patient's job position from the 1st row in the field to the 5th row. The patient indicated that the movers were inexperienced and left part of his property back in in the 1st row.

The initial patient questionaair revealed that the patient reported feeling very thirsty and extremely tired since the move. In addition, the patient has also been feeling very dizzy and has had a hard time standing still. The patient told the plant manager of his condition and as a result provided braces to hold him in position.

Referrals/Tests/Treatments:

Physical examination shows no abnormality with patient's shoot system. The patient stands at approximately 4 meters from the ground- normal for an apple tree at 3 years old.

X-rays reveal that the patient's roots are substantially too small to support the shoot frame the patient is now carrying. X-rays indicate that the patient lacks the roots hairs that should be present on the root structures. Patient has received a ROOT CARE pamphlet to give to the plant manager once released from doctor's care.

***Diameter of root mass.** The American Association of Nurserymen has developed the "American Standard for Nursery Stock." According to the standards, a tree with a 1 inch caliper should have an 18 inch diameter bare root system...AS A MINIMUM. A 2 inch caliper tree should have a 28 inch diameter bare root system...AS A MINIMUM. For a 3 inch caliper tree, at least 38 inches. For a 3 foot tall shrub, 14 inches in diameter; 16 inches for a 4 foot shrub; 18 inches for a 5 foot shrub; and 20 inches for a 6 foot shrub.

ROOT HAIRS

Root hairs are important to the health of a plant. It is through the root hairs that plants are able to absorb water and nutrients through the soil. Without root hairs the plant would be unable to obtain the water necessary for a plant to perform essential plant processes such as photosynthesis and transpiration.



ROOT FUNCTIONS:

Roots are important for 3 reasons:

1. Roots absorb water and nutrients for plants.
2. Roots help to anchor the plant into the ground for stability.
3. Roots have the ability to store excess food. Ex: sweet potatoes, onions, and carrots.



ROOT CARE

PROFESSOR
VON
ROOTINGSON,
MD
UNIVERSITY
OF PLANTS
AND
PLANTRONICS

