ALGORITHM for submittal of specimens for suspect avian influenza cases (updated 11/28/05)

1. **HOSPITALIZED PT.** with Pneumonia on xray, or ARDS, or severe resp. illness w/o alt. dx. **&** history of travel w/in 10 days of sx onset to documented H5N1 + country (human/avian) or hx of known contact with human /avian H5N1 w/in 10 days of sx onset..
2. **AMBULATORY OR HOSPITALIZED** Temp of > 100.4 **&** cough/sore throat/SOB **&** hx of known contact with human /avian H5N1 case in an H5N1 affected country w/in 10 days of symptom onset.

Suspect avian influenza case.

Initiate isolation/infection control precautions for airborne pathogen.

Contact Santa Cruz County Health Department Disease Control at **454-4114**

Does suspect case meet criteria for avian influenza testing?

NO Continue routine work-up.

YES

SCCD will notify SC PH Lab of incoming specimen & coordinate transport from provider to SC PH and from SC PH to SClara PH lab via either SClara lab staff (P. Dadone) or SCCD

Obtain specimens and complete CADHS Suspect Avian Flu Screening form (see other attachments)

NP swabs (dacron) or nasal washes in Viral Transport Media

Santa Cruz County Public Health Lab sends specimen to Santa Clara PH Lab **immediately** for Influenza A PCR

Influenza A PCR= **NEG** **(NOT RAPID TEST)**

Avian Influenza very unlikely if appropriate specimens were collected.

Influenza A PCR= **POS** **NOT RAPID TEST**

SClara PH Lab performs subtyping (H1, H3, and H5)

H1/H3 subtype +—SClara notifies Santa Cruz PH who in turn notifies provider.

H5 positive--SClara notifies SC County.

Specimen sent to VRDL by SClara for neuraminidase testing.