If this were an adenocarcinoma from one of the abdominal organs, I would expect to find certain types of mucins that would stain with the P.A.S. diastase stain.

Within the cancer cells, I would expect to find droplets that would be a bright pink or magenta-type color.

In fact, when we look at these cancer cells, we don't see these types of large droplets or vacuoles within them.

These cells are almost clear staining. Cancer cells don't have that.

I had to form several other types of stains, using antibodies, that again would stain the usual types of abdominal visceral cancers, adenocarcinomas of the colon or whatever.

None of those stained positive, so all of these special stains would, again, steer me in the direction of mesothelioma.

In Mr. Vandergucht's case, there were a number of other factors to my final diagnosis.