Necessary data before the stomach X-rays contrasting inspection

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surroudings supersonicwave loboratory shuzo arakaki URL <u>http://syuzou.awk.jp/</u>

1 Preface

The inspection that is stability security promptness is enforcement difficulty if I do not know need and an important use device and the many characteristics of the medicine well on inspecting two folds of stomach X-rays barium contrasting. Because I conduct an investigation into an item before starting they inspection and inspect it and analyzed it, I report it

2 An experiment method

2 – ①An examination of barium Viscosity

A drug prepares for two kinds of barium (HD200vw%) of compounding stable enough after compounding and a drug doing a drug just before use of the maker recommendation for dozens of hours and I use an adhesion examination to the finger and the stomach of the Neothunnus macropterus and perform an adhesion examination and radiography data analysis

Three times of adhesion examinations to the finger performed a naked eye judgment of the application

I take each radiography at a photography top horizontal position, 30 degrees slant position, and the tuna stomach application examination of the analyzes evaluation with the image data

2-⁽²⁾Foaming agents examination

For the inspection of the taking foaming agents method, I performed water, barium, cold water addition method, experiment examination of the warm water addition method

2 - 3 use device 1G pixel CCD auto iris 12, 9, 6 inches field of vision X-rays television device performance evaluation

I measure the space resolving power of the device and I investigate analog evaluation AD conversion comment on current events value DD conversion paces transmission of a message compressibility and analyze a fall of a picture. I performed the transparent image (analog) evaluation of the tuna gastric mucosa this time and evaluated the first photography DD conversion image evaluation and a compression image after the paces transmission of a message

2- A barium drug (BARITOGEN HD) application examination

As for the explanation of a not corresponding photograph to actual data, the character has thinned.





A finger adhesion naked eye evaluation examination

I recognize a coating spot to note) both barium attendant, and the blue label is lacking in churning, and the yellow label suggests it with separation



A tuna stomach application radiography image evaluation examination

The adhesion is good, and note) Rightbarium has good falling out. Adhesion was good, and barium 50 of the note) right was seen by uniform application

2-2aFoaming agents examination

A foaming start





2-②bA foaming promotion examination at the time of barium taking

I can match the taking foaming agents method with the state of the person of undergoing an examination to be able to guess by an experiment and must concentrate a device enough. Foaming agents taking had better assume it taboo with plain hot water 2- 3View X-ray television of use device 1G pixel CCD auto iris 12, 9, and 6 inches device performance evaluation

2-3 a Spatial resolution of device

View =30Cm² 1G pixel =12 inches in $3^2 \times 10^2$ pixel the space resolution (..simplified calculation...length and breadth... $..3 \times 10^6$ power.. pixel)/ 30Cm=30 \times 10^6 power/cm 30×10⁶ power $\div 3 \times 10^6$ In 1 0 μ m pixel 6 inches in $3^2 \times 10^2$ pixel = the space resolution (..simplified calculation...length and breadth... $..3 \times 10^6$ power.. pixel)/ 15Cm=30 \times 10^6 power/cm 30 × 10⁶ power $\div 3 \times 10^6$ 5 μ m pixel size FPD is meter pixel sizes of 124 μ m dot in the high-resolution for [mammo useFPD]

2 - 3 b Analog evaluation

As for the analogue, only seeing through can be evaluated. Volume of data rises inscrutably because basically the afterimage phenomenon is caused in the fluorescent plate, it takes advantage of it, and the accumulation of space information in man's retina and brain is performed to animation.

2-3 c AD Conversion comments on current events value

Unevaluation

2-3 d Compressed image evaluation after pacs is transmitted Unevaluation