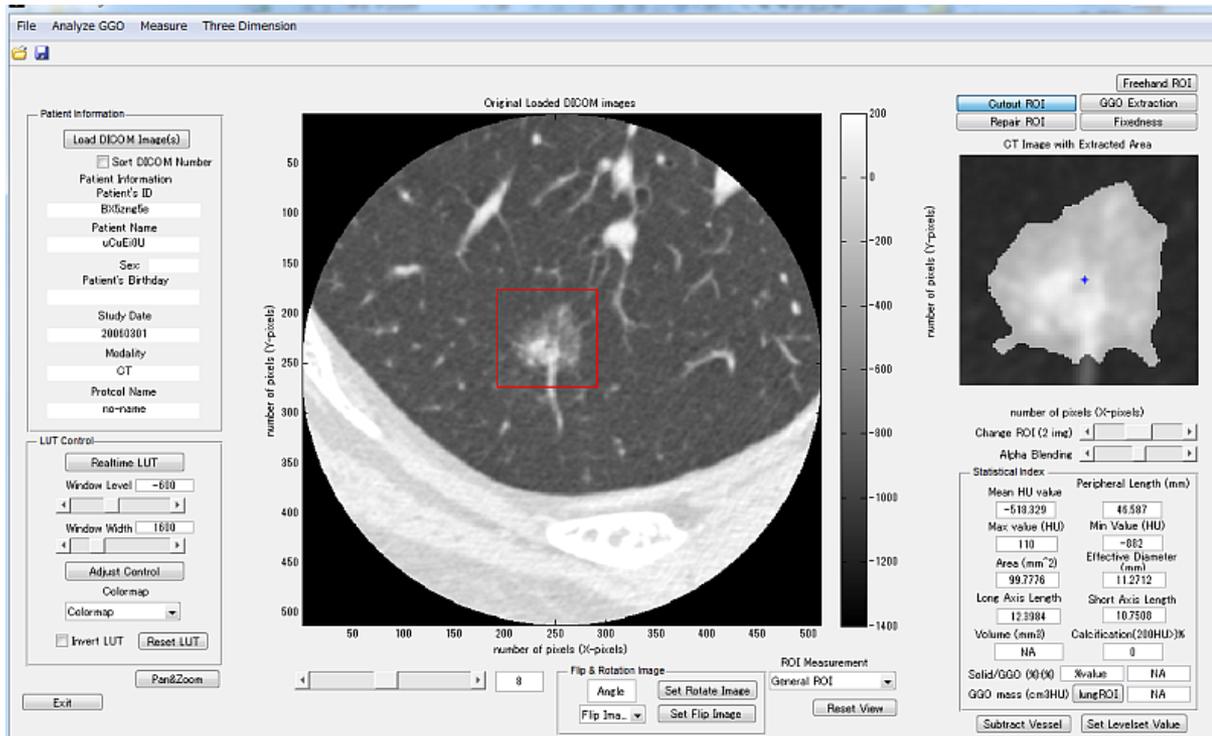


WatchinGGO:

Ground Glass Opacity Analyzer for Lung Cancer Research and Education using Computed Tomography.

Tumor Imaging Biomarker for Researchers



Quantitative measurement for solid nodule, mixed GGOs and pure GGOs.

Image and Volume analysis of nodules and GGOs.

Automatic or semi-automatic extraction of GGOs using user-selectable segmentation.

Automatic cross measure of diameter in GGOs (auto long and short axis)

Shape and Density descriptor using 2D and 3D texture measures.

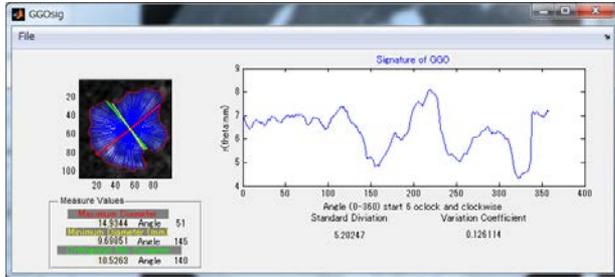
Auto selection of maximum area slice of GGO and min GGO



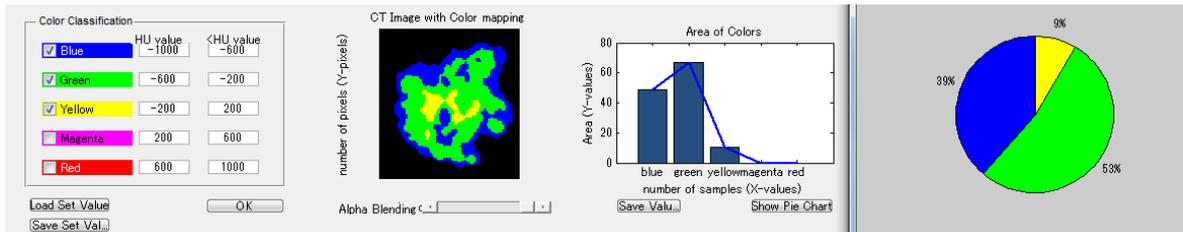
Developed by LISIT, Co., Ltd.

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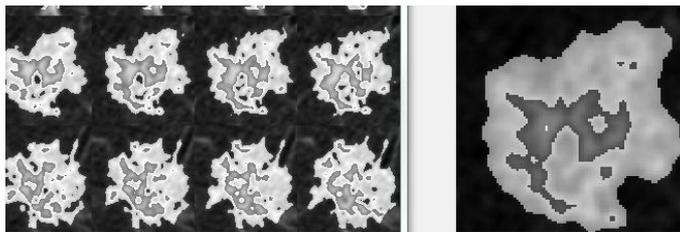
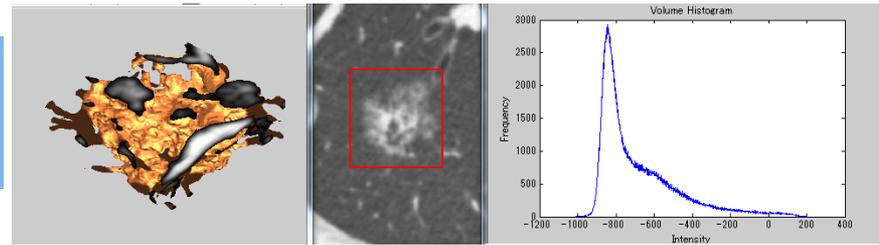


Automatic cross measure of diameter in GGOs (long and short axis) and shape curves show the degree of complex of tumor shape.

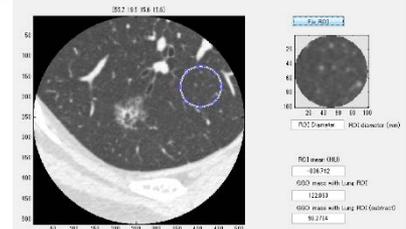


Quantitative density analysis for solid nodule, mixed GGOs and pure GGOs.

Three dimensional volume histogram for each images, VOI, GGOs.



subtract solid or vessels. Percent rate between pure GGOs and solid parts



GGO mass index



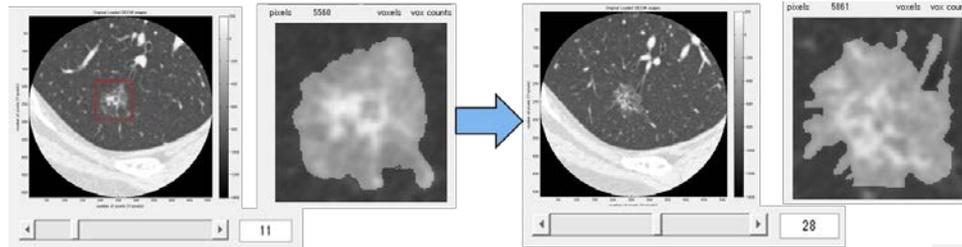
<http://www.lisit.jp>
Developed by LISIT, Co., Ltd.

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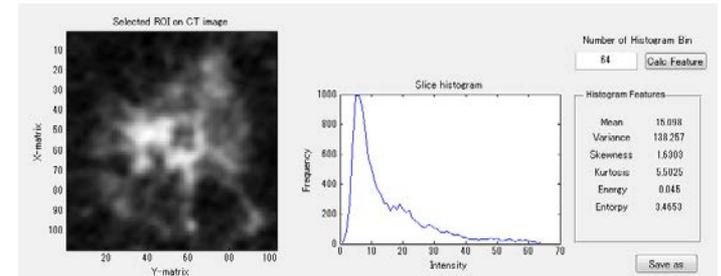
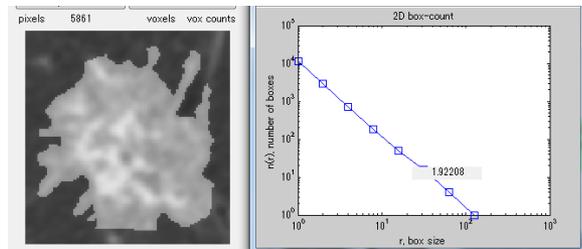


*Orthogonal MPR selection of tumor VOI
3D slice superimpose of three orthogonal slices*



*Automatic selection of
maximum area of mixed GGOs*

*GGO texture measure.
Lung tumor imaging biomarker*



Fractal Analysis of GGOs