



>>maChiron

Inteligência Artificial para a Saúde



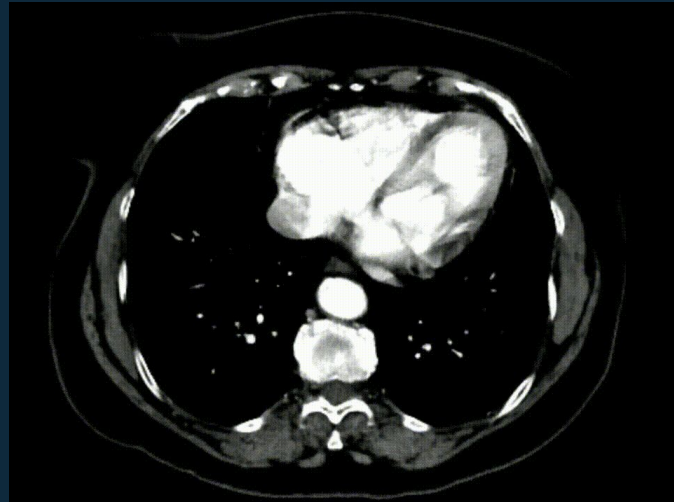
Equipe



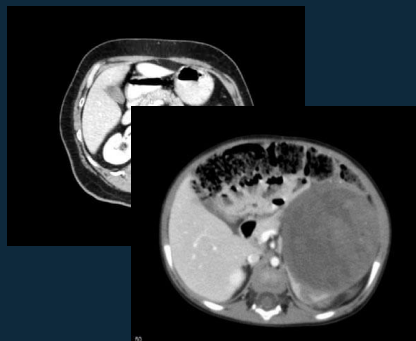
Ricardo di Lazzaro - Ana Ciconelle - Bruno Aragão - Luis Vianna

LivIA

Auxílio a diagnóstico de
lesões hepáticas



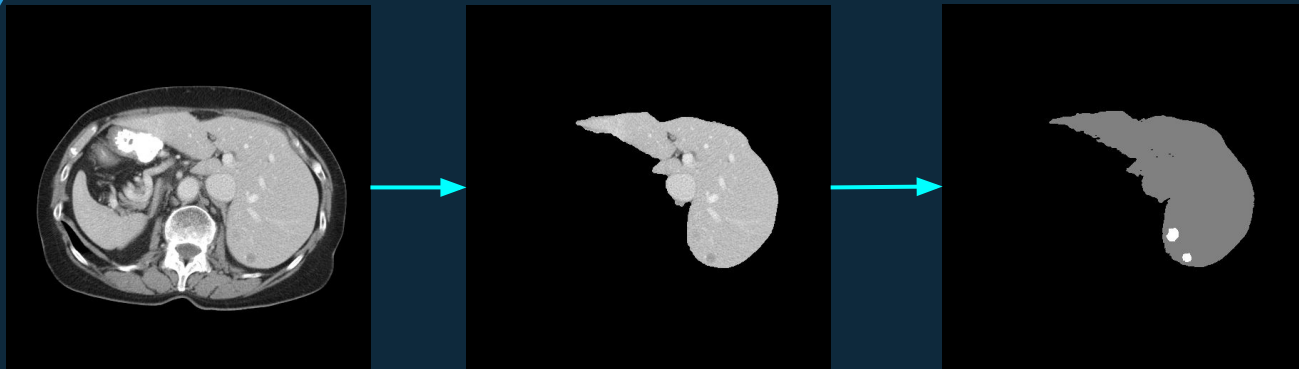
Problema



DEPARTAMENTO DE
GASTROENTEROLOGIA

HOSPITAL DAS CLÍNICAS
FACULDADE DE MEDICINA/USP

Solução



Classificação
dos Nódulos

CHC?



Processo



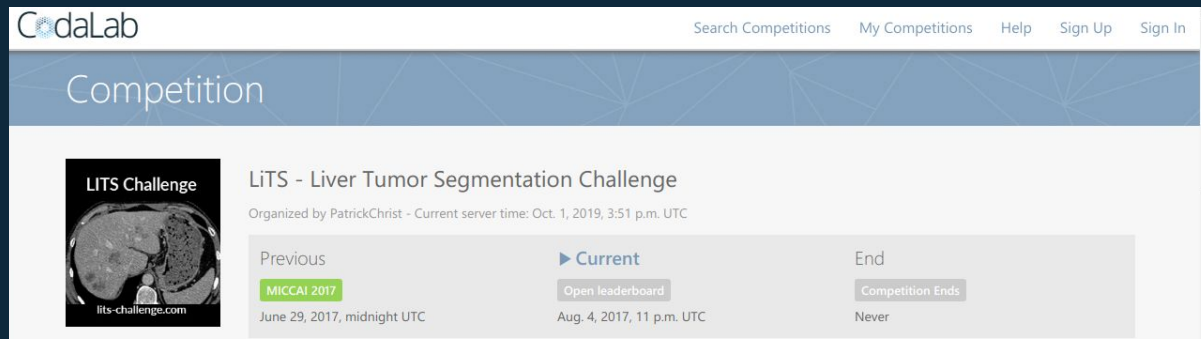
Banco de
Dados

Nódulos

Li-Rads



Públicos: 200 imagens



CodaLab

Search Competitions My Competitions Help Sign Up Sign In

Competition



LiTS Challenge
lits-challenge.com

LiTS - Liver Tumor Segmentation Challenge

Organized by PatrickChrist - Current server time: Oct. 1, 2019, 3:51 p.m. UTC

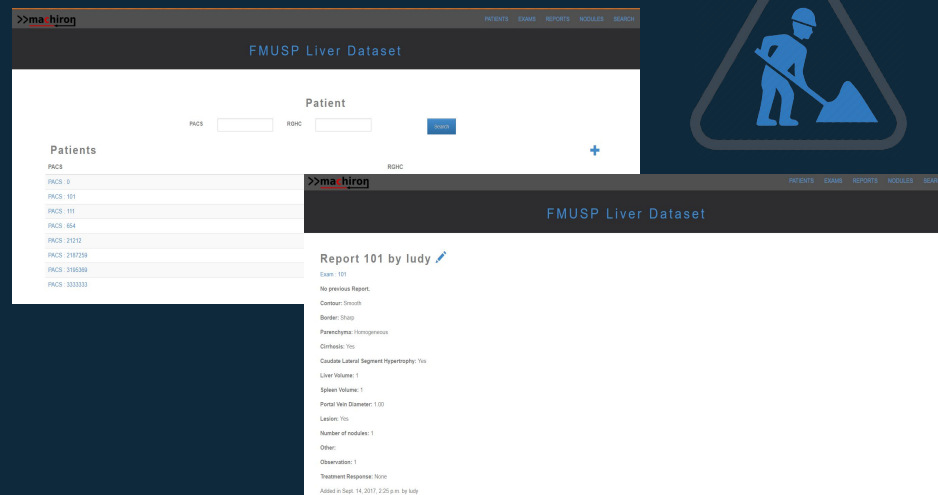
Previous **Current** End

MICCAI 2017 Open leaderboard Competition Ends

June 29, 2017, midnight UTC Aug. 4, 2017, 11 p.m. UTC Never

Banco de
Dados

Hospital das Clínicas: 100 imagens



FMUSP Liver Dataset

Patients

Report 101 by ludy

Exam: 101

No previous Report.

Contour: Smooth

Border: Sharp

Paraneoplasia: Homogeneous

Clinical: Yes

Caudate Lateral Segment Hypertrophy: Yes

Liver Volume: 1

Spleen Volume: 1

Portal Vein Diameter: 1.03

Lesion: Yes

Number of nodules: 1

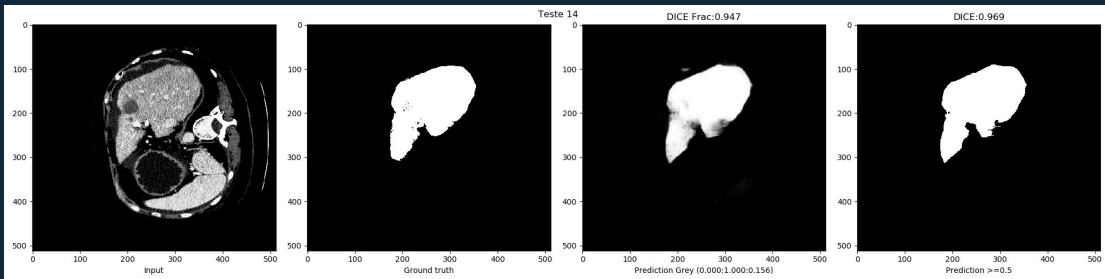
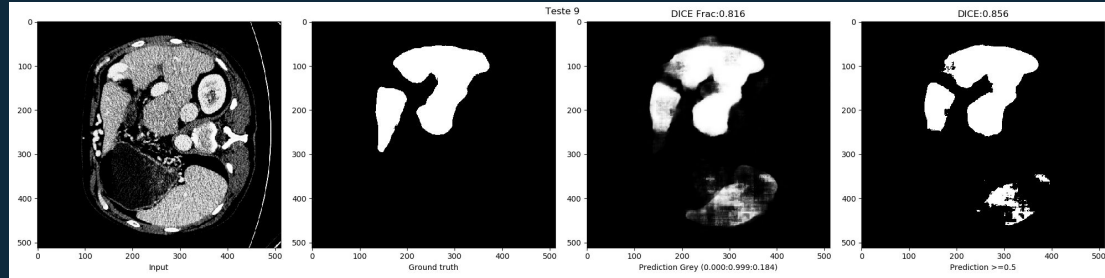
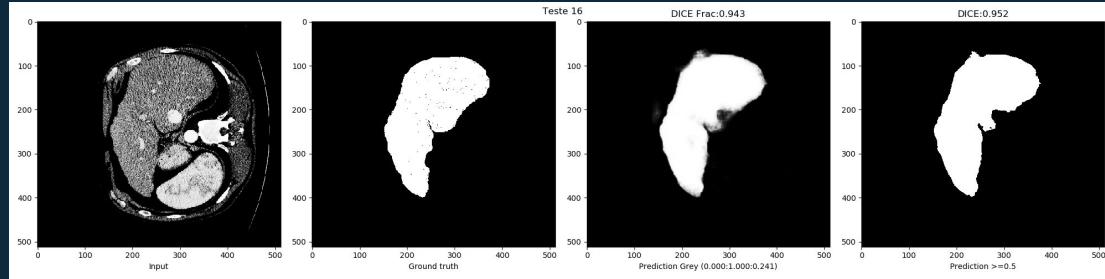
Other:

Observation: 1

Treatment Response: None

Added in Sept. 14, 2017, 2:05 p.m. by ludy





Li
Rads

Diagnostic Categories

Probably or definitely malignant,
not necessarily HCC

LR-NC

Not categorizable
(due to image omission or degradation)

LR-1

Definitely benign

LR-2

Probably benign

LR-3

Intermediate probability of malignancy

LR-M

LR-4

Probably HCC

LR-5

Definitely HCC

LR-TIV

Tumor in vein





Próximos Passos

- ◇ Aumentar o base de dados;
- ◇ Refinar o algoritmo de classificação;
- ◇ Implementação da LivIA no Hospital das Clínicas.





Obrigada!

- ◇ www.machiron.com.br
- ◇ machiron@machiron.com.br
- ◇ (11) 9.9242.6686

