

Theme: Clinical

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Abstract Title: Investigation of cases of re-irradiation after proton therapy for hepatocellular carcinoma

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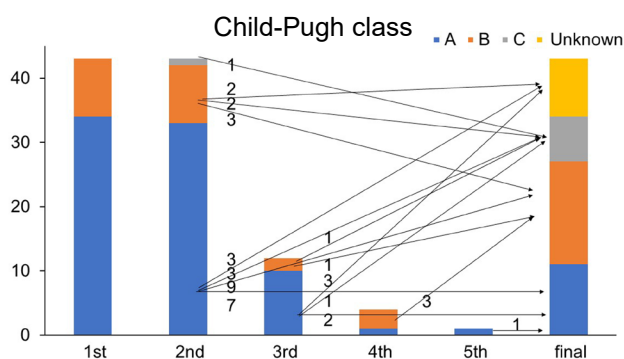
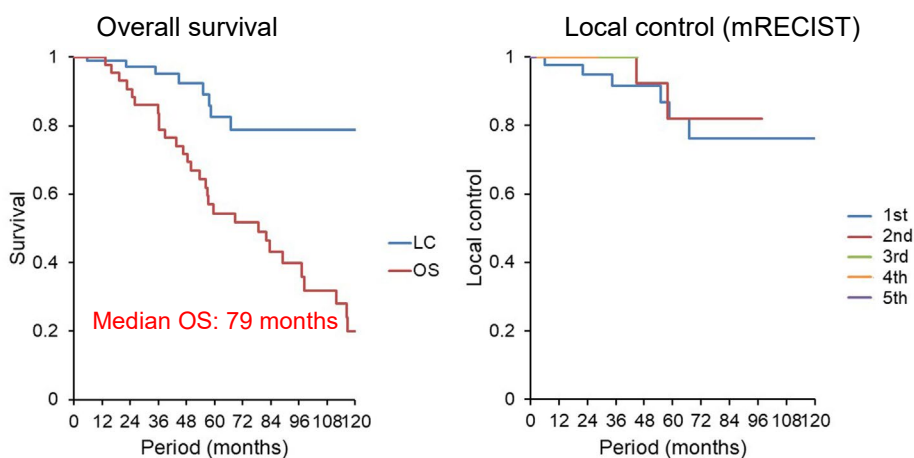
Background / Aims:

To investigate safety and efficacy of re-irradiation after proton beam therapy for hepatocellular carcinoma (HCC).

Subjects and Methods:

number	43
age	42-93 (med: 70)
sex	Man: 32, Woman: 11
period	2008-2020
number of re-irradiation	1 (30 cases), 2 (9 cases), 3 (3 cases), 4 (1 case)
re-irradiation therapy	Carbon-ion beam: 51, Proton beam: 10
follow up period	13-167 (med: 59) months

Result:



There are many long-term survivors among patients who underwent re-irradiation after proton beam therapy for HCC. Although there were cases of worsening liver function, the proportion was 7/43.