LALIQUE

par amour de la vie

A phase II study of radiation and Docetaxel and Cisplatin in the treatment of locally advanced pancreatic carcinoma, FNCLCC-ACCORD 09/0201 trial.

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ABSTRACT #4625

Background: Locally advanced nancreatic carcinoma remains a challenging tumor with no clear standard of care in terms of radiochemotherapy. The purpose of this phase II trial was to determine the efficacy and the toxicity of radiotherapy and docetaxel and cisplatin in histologically proven adenocarcinoma of the pancreas

Methods: Patients (pts) received external beam radiotherapy (54 G in 1.8 Gy fractions, six weeks) and weekly chemotherapy regimen of association docetaxel and cisplatine (20 mg/m2/weeks each) for six weeks

Results: 51 pts (20 women and 31 men, with median age of 62 vears) with disease considered to be unresectable but confined to pancreas area and celiac nodes were included between 06/10/2003 and 15/02/2008. Location of the tumor: head (33 pts), body (13 pts), and tail (5 pts). The median dose of radiotherapy received by the patients was 54 Gy. The median dose of dose of docetaxel and cisplatin administered was 19.8 mg/m2/w (relative dose intensity 97%). Radiotherapy has to be interrupted in 7 pts. 30 pts experienced a least one episode of grade 3 or 4 toxicity (asthenia 12 pts, anorexia 11 pts, vomiting 10 pts, nausea 9 pts, abdominal pain 5 pts). No toxi death was observed. 6 pts underwent secondary pancreatic resection (4 compete resection and 1 pt with histological complete remission) The objective response rate (CR 5 pts, PR 3 pts), was 16% with a median duration of 7.6 months. At 6 months, 30 pts had progressed Median progression free survival was 5.8 months. With a 21 months median follow up, median overall survival was 9.6 months and 18 months survival rate of 31%.

Conclusion: The association docetaxel+cisplatin+radiotherapy has limited effect in patients with locally advanced pancreatic carcinoma but major objective responses have been observed allowing secondary resections. Grant by Sanofi-Aventis, Amgen and Lique Nationale Contre Le Cancer.

INTRODUCTION

Locally advanced pancreatic carcinoma remains a challenging tumor with no clear standard of care in terms of radio-

chemotherapy. The purpose of this phase II trial was to determine

the efficacy and the toxicity of radiotherapy and docetaxel +

cisplatin in histologically proven adenocarcinoma of the pancreas.

MATERIALS AND METHODS

Locally advanced/inoperable pancreatic adenocarcinoma

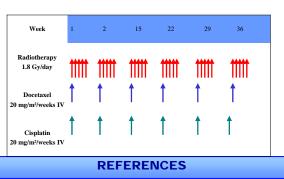
ECOG performance status < 1</p>

Adequate organ function

No prior chemotherapy or radiotherapy

No distant metastases

>54 Gy with standard fractionation



RESULTS

> 51 pts (20 women and 31 men, with median age of 62 years), were included between 06/10/2003 and 15/02/2008.

>Location of the tumor: head (33 pts), body ± head (13 pts), tail ± body (5 pts).

The median dose of radiotherapy received by the patients was 54 Gy [range 22 - 56].

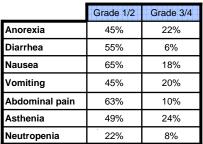
>The median weekly dose of docetaxel and cisplatin administered was 19.8 mg/m²/w.

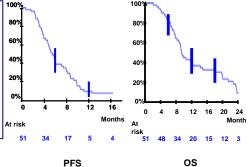
>No toxic death was observed.

- >6 patients underwent secondary pancreatic resection : ✓4 complete resection
- >With a 22.7 months median follow up : ✓ median progression free survival was 5.5 months

✓ and median overall survival was 9.6 months.

respectively.





CONCLUSION

Morohoshi T, Held G, Kloppel G. Exocrine pancreatic tumours and their histological classification. A study based on 167 autopsy and 97 surgical cases. Histopathology 1983; 7:645-661

Acadami LN, Reuer VE, Con IDG, Brennan MF. The malignant nature of papillary and cysic neoplasm of the pancreas. Cancer 1991; 68:153-158. Lowenfels AB, Maisonneuve P, Cavallini G, Ammann RW, Lankisch PG, Andersen JR et al. Pancreatilis and the risk of pancreatic cancer. International Pancreatilis Study Group. N Engl J Med 1993; 328:1433-1437.

Kelsen D, Costa F, Portenoy R, Tao Y, Brennan M. Pain as predictor of outcome in patients with operable pancreatic carcinoma (DPC). Proc Am Soc Clin Oncol 1986; 15:214. Glenn J, Steinberg WM, Kurzman SH, Steinberg SM, Sindelar WF. Evaluation of the utility of a radiommunoassay for serum CA 19-9 levels in patients before and after treatment of carcinoma of the pancreas. J Clin Oncol 1986; 6:462-468. Bramhall SR, Allwood A, Curminnis C, Neoptienous JP. Treatment and survival in 13 560 patients with pancreatic cancer, and incidence of the West Midlands : an epidemiological study. Br J Surg 1995; 82:111-115. Moerth G.G. Extrak But ht - FGuo Cranet M. Estimation (4000 Rads + 5-fluorouracil), and Treatment of locally unresectable carcinoma of the pancreas: comparison of combined-modality therapy (chemotherapy plus radiotherapy) to chemotherapy alone. Gastrointestinal Tumor Study Group. J Natl Cancer Inst 1988; 80:751-755.

Nguyen TD, Theobald S, Rougier P, Ducreux M, Lusinchi A, Bardet E et al. Simultaneous high-dose external irradiation and daily cisplatin in unresectable, non-metastatic adenocarcinoma of the pancreas : a phase I-II study. Radiother Oncol 1997; 45:129-132. Lusinchi A, Villing A-L, Bourthis J, Ducreux M, Elias D. Essai dintensification thérapeutique dans les cancers inopérables du pancréas. Gastroentérol Clin Biol 1999; 23:A110.

Komath Rev and the Sub Rev Control of the Sub Hoffman, E.M. Saging C.M. Saging C.M. Soper HS, Wilkes J et al. A phase I study of preoperative gencitabine (GEM) with radiation therapy RT) followed by postoperative GEM for patients with localized, resectable pancreatic adenocarcinoma (PAC). Proc

Safran H. Wanebo H.J. Hesketh P.J. Akerman P. Gaissert H. Janitti D.et al. Paclitaxel and concurrent radiation for locally advanced gastric cancer. Proc Am Soc Clin Oncol 1999: 18:273a.

Pisters 2017, Abgugzese JL, Janjan NA, Cleary KR, Charnsangavej C, Crane CH et al. Comparative toxicities of preoperative pacitaxel vs Schoorwaci hased rapid fractionation chemoradiation for resectable pancreatic adenocarcinoma. Proc Am Soc Clin Oncol Hennequin C, Giocanti N, Favaudon V. Interaction of ionizing radiation with paclitaxel (Taxol) and docetaxel (Taxotere) in HeLa and SQ20B cells. Cancer Res 1996; 56:1842-1850.

Heinregun G, Globalin K, Hardout F, Initiatation F, Maria K, Balance K, Hawy and Gootaka (Factore) in Head and Gootaka (Cactore) in Head (Cactore) in Head (Okada 300 Maja 200 Maja

Whitehead R., Jacobson J. Brown TD. Tavlor SA. Weiss GR. Macdonald JS. Phase II trial of pacitized and oranulocyte colony-stimulating factor in patients with pancreatic carcinoma : a Southwest Oncology Group study. J Clin. Oncol. 1997 Jun:15(6):2414-9. Van Deg NE, dev 2000 to De Akyrger J, Bieberg H, Kusenda Z, Brassinne C et al. A phase I and pharmacokinetic study of docetaxel administered in combination with confluous linutation of 5-fluorovarial in galantism with advanced solid tumora

Poen HCocolling Hm, Viedarty KK, Hooppender, Market and State AJ et al. Chemo-radiotherapy for localized pancreatic cancer: increased dose intensity and reduced acute toxicity with concomitant radiotherapy and protracted venous infusion 5-

Roth Ap, dp. proc. Bajpres Maino S, Huber O, Spillopoulos A, Bründler M et al. Curative preoperative docetaxel (TaxotereR)-cisplatin-SFU (TCF) combined with hyperfractionated radiation in locally advanced esophageal cancer: a phase I-II study. Proc Am Soc Fleming TR. One sample multiple testing procedure for phase II trials. Biometrics 1982 :38 :143-15

The association docetaxel + cisplatin + radiotherapy has limited effect in patients with locally advanced pancreatic carcinoma but major objective responses have been observed allowing secondary

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>30 patients experienced at least one episode of grade 3/4 toxicity. >At 6 months, 34 patients had progressed.

✓ and 1 with histological complete response.

Survival rate at 6, 12 and 18 months was 80.4%, 41% and 30.5%