

Vitamin C Cases



ACMN WORKSHOP
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Vit C Cases - Cancer

- Drisko et al gave 60g IVC in combination **with chemotherapy** in 2 ovarian cancer cases.

Drisko JA, Chapman J, Hunter VJ. **The use of antioxidants with first-line chemotherapy in two cases of ovarian cancer.** J Am Coll Nutr. 2003 Apr;22(2):118-23.

Vit C Cases - Cancer

- Two patients with advanced epithelial ovarian cancer were studied. One patient had Stage IIIC papillary serous adenocarcinoma, and the other had Stage IIIC mixed papillary serous and seromucinous adenocarcinoma. **Both patients were optimally cytoreduced** prior to first-line carboplatinum/paclitaxel chemotherapy...

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- ...In addition to oral antioxidant therapy, patient 1 added **parenteral ascorbate at a total dose of 60 grams given twice weekly** at the end of her chemotherapy and prior to consolidation paclitaxel chemotherapy...

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- ...Patient 2 received oral antioxidants plus six cycles of paclitaxel/carboplatinum chemo and **refused consolidation chemotherapy** despite radiographic evidence of persistent disease. Instead, she elected to add **intravenous ascorbate at 60 grams twice weekly...**

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- ...Patient 1 had normalization of her CA-125 (a cancer antigen test) after the first cycle of chemotherapy and **has remained normal, almost 3 ½ years after diagnosis**. CT scans of the abdomen and pelvis remain without evidence of recurrence...

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- ...Patient 2 had normalization of her CA-125 after the first cycle of chemotherapy. After her first round of chemotherapy, the patient was noted to have residual disease in the pelvis. She declined further chemotherapy and added intravenous Vit C ... no evidence of recurrent disease + 3 yrs.

Vit C Cases - Cancer

- Many cases have been published by Riordan et al.

Riordan HD, Riordan NH, Jackson JA, Casciari JJ, Hunninghake R, Gonzalez MJ, Mora EM, Miranda-Massari JR, Rosario N, Rivera A. **Intravenous vitamin C as a chemotherapy agent: a report on clinical cases.** P R Health Sci J. 2004 Jun;23(2):115-8.

Vit C Cases - Cancer

- Renal cell carcinoma:
70 yo male adenocarcinoma R kidney.
Nephrectomy, mets liver & lung
IVC 30g 2/week (only treatment)
6 weeks later – well, mets shrinking
15 months later – no sign of cancer.
Died congestive heart failure 14 years later.

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- Renal cell carcinoma
52 yo female diagnosed Sep 1995
8 mets (lungs) found Oct 1996
IVC 65g 2/week (plus oral nutrients)
IVC until Jun 1997
Feb 1999 no lung masses. Well.

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- Stage IV colorectal carcinoma
51 yo male, type II diabetes.
Apr 1996 distal colon lesion.
Dec 1996 anterior colon resection, 2 large
hepatic masses – metastatic adenocarcinoma.
**Chemotherapy 5-FU and leucovorin weekly for
12 cycles...**

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...Oncologist denied value of IVC.

May 1997 liver resection segments 3 & 5.

Prognosis very poor.

Jun 1997 weekly 5-FU (1,100mg) & leucovorin (1,300mg) plus IVC.

Started IVC 15g in 1 hour bi-weekly, gradually increased to 100g.

Sep 1997 IVC 100g 2/week...

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- ...Feb 1998 stopped Vit C but continued chemo. Nausea, diarrhoea, stomatitis.
Resumed IVC, side effects STOPPED.
Continued IVC 100g 2/week until Apr 1998.
No side effects from chemo.
CT scan Oct 1998 – no mets, well.

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- Metastatic end stage breast cancer
68 yo female mets to “nearly every bone”.
(1995)
Blood clots subclavian veins, cellulitis.
IVC 30g/day increased to 100g/day over 5
hours.
1 week after IVC started was out of bed,
feeling well and discharged from hospital...

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- ...3 months after IVC started bone scan revealed resolution of several skull mets. 6 months after IVC started, fell while shopping and died from complications of fractures.

Vit C Cases - Cancer

- Padayatty SJ, Riordan HD, Hewitt SM, Katz A, Hoffer LJ, Levine M. **Intravenously administered vitamin C as cancer therapy: three cases.** CMAJ. 2006 Mar 28;174(7):937-42. PMID: 16567755

NCI Best case series guidelines

Vit C Cases - Cancer

- Case 1: Renal cell carcinoma. 65g 2x per week for 10 months. 3 years later died of lung cancer)
- Case 2: Primary bladder with mets. 30 g of Vitamin C twice per week for 3 months, followed by 30 g once every 1–2 months for 4 years. Declined chemo. Well 9 years later.

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- Case 3: B-cell lymphoma. 15 g of Vitamin C twice per week for about 2 months, 15 g once to twice per week for about 7 months, and then 15 g once every 2–3 months for about 1 year. Initial radio but refused chemo. Well 10 years later.

Vit C Cases - Pancreatitis

- Du WD, Yuan ZR, Sun J, Tang JX, Cheng AQ, Shen DM, Huang CJ, Song XH, Yu XF, Zheng SB. **Therapeutic efficacy of high-dose vitamin C on acute pancreatitis and its potential mechanisms.** World J Gastroenterol. 2003 Nov;9(11):2565-9. PMID: 14606098

Vit C Cases - Pancreatitis

- In the treatment group ($n=40$), vitamin C (10 g/day) was given intravenously for 5 days, while in the control group ($n=44$), vitamin C (1 g/day) was given intravenously for 5 days.

Vit C Cases - Pancreatitis

- “High-dose vitamin C has therapeutic efficacy on acute pancreatitis. The potential mechanisms include promotion of anti-oxidizing ability of AP patients, blocking of lipid peroxidation in the plasma and improvement of cellular immune function.”