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Observational Study

Immune response activation following hyperthermic intraperitoneal chemotherapy for peritoneal metastases: A pilot study

Giammaria Fiorentini, Donatella Sarti, Alberto Patriti, Emilio Eugeni, Francesco Guerra, Francesco Masedu, Andrew Reay Mackay, Stefano Guadagni

Abstract

BACKGROUND

Hyperthermic intraperitoneal chemotherapy (HIPEC) for peritoneal metastases (PM) is considered to be feasible, safe and to improve survival.

Match Overview

1	Crossref 53 words Anna L. Marsland. "Stability of individual differences in cellular immune responses to two different laboratory tasks", Psychop	2%
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<https://www.sciencedirect.com/science/article/pii/S0748798319303816>

Patients after HIPEC with oxaliplatin (n = 44) were compared to **patients after HIPEC with mitomycinC/doxorubicin** (n = 53) or **cisplatin-based** protocol (n = 43). The mitomycinC/**doxorubicin** protocol and the oxaliplatin protocol were applied to similar types of primary tumors.

Author: Lilian Roth, Dilmurodjon Eshmuminov,... **Publish Year:** 2019

Hyperthermic intra-peritoneal chemotherapy and anticancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4760280>

Keywords: anticancer immune response, DAMPs, HIPEC, HSP90, peritoneal carcinomatosis
Abdominal organs are covered and protected by a transparent membrane called the **peritoneum**. Primary tumors of the digestive tract such as **colorectal and ovarian cancer** frequently metastasize to this membrane and cause PC.

Cited by: 4 **Author:** Barbara Zunino, Jean-Ehrland Ricci

Publish Year: 2016

Inflammatory response and optimisation of perioperative ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6465482>

Surgical cytoreduction and simultaneous **hyperthermic** intraoperative **intraperitoneal chemotherapy (HIPEC)** for **peritoneal** carcinomatosis has a high incidence of postoperative complications. Inadequate intraoperative volume therapy is a known risk factor for the development of postoperative complications.

Cited by: 1 **Author:** Piet de Witte, Christien A. de Witt, Johan ...

Publish Year: 2019

[PDF] CRS and HIPEC for Peritoneal Carcinomatosis : An update ...

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Jun 01, 2019 · Virzi published a prospective pilot study with 12 patients to assess the feasibility, safety and efficacy of this same **HIPEC protocol** combined with primary curative surgery in **colorectal cancer** at **high risk** for **peritoneal metastases** (minimal synchronous **peritoneal involvement**, synchronous **ovarian metastases**, primary tumor, either directly invading other organs or penetrating visceral peritoneum, and positive **peritoneal washing** ...

Cited by: 2

Author: Amandine Pinto, Marc Pocard

Publish Year: 2019

Inflammatory response and optimisation of perioperative ...

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Keywords: Fluid management, inflammatory **response**, cytokines, C-reactive protein (CRP), **hyperthermic** intraoperative **intraperitoneal chemotherapy** (HIPEC) Introduction Cytoreductive surgery combined with **hyperthermic intraperitoneal chemotherapy** (HIPEC) is a treatment option for selected patients with **peritoneal** carcinomatosis.

Cited by: 1

Author: Piet de Witte, Christien A. de Witt, Johan ...

Publish Year: 2019

Mediators of Inflammation - Hindawi Publishing Corporation

<https://www.hindawi.com/journals/mi/2017/3605350> ▾

Objectives . To assess the association between short-term postoperative cognitive dysfunction (POCD) and inflammatory **response** in patients undergoing cytoreductive surgery (CRS) and **hyperthermic intraperitoneal chemotherapy** (HIPEC). Design . A prospective cohort **study**. Setting . University



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[Chemotherapy for intraperitoneal use: a review of ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4754301>

Jul 13, 2015 · The timing of the **intraperitoneal chemotherapy** is important. Administration immediately after cytoreduction allows the entire abdominal cavity to be bathed with the perfusate. This prevents compartmentalization (and inadequate exposure of the entire **peritoneal cavity**) due to **post-operative adhesion formation**.

Cited by: 30

Author: Martin D. Goodman, Sarah McPartland, ...

Publish Year: 2016

[Inflammatory response and optimisation of perioperative ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6465482>

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