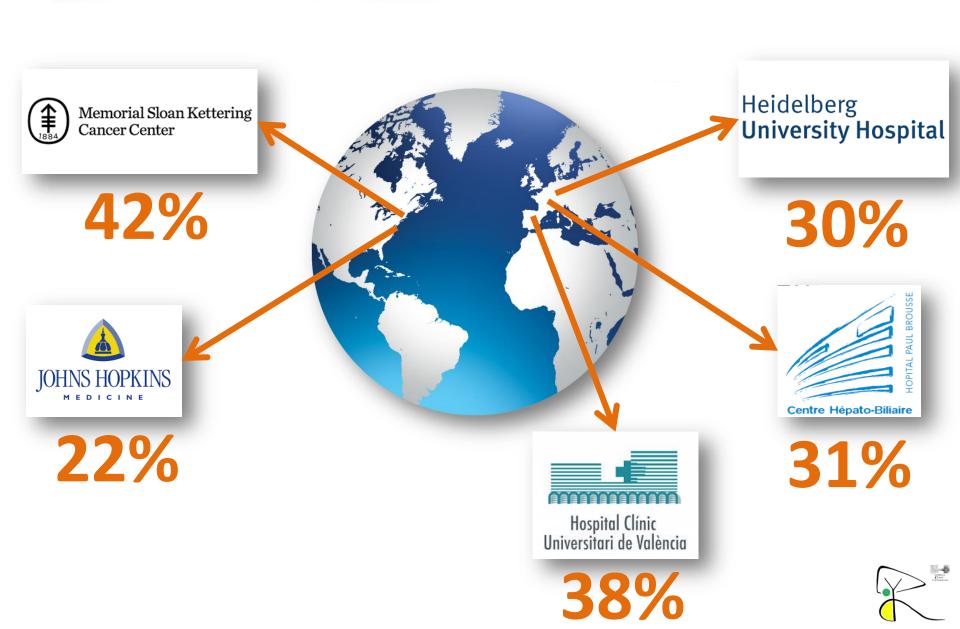
COMPLICACIONES POSTOPERATORIAS Y PRONÓSTICO ONCOLÓGICO

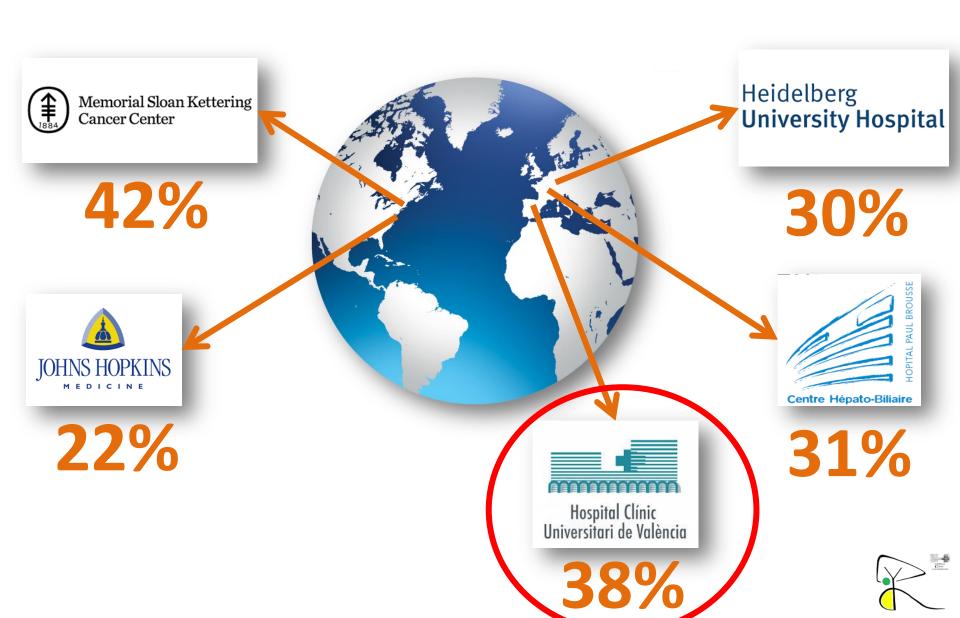
Dr. Dimitri Dorcaratto Hospital Clínico Universitario de Valencia



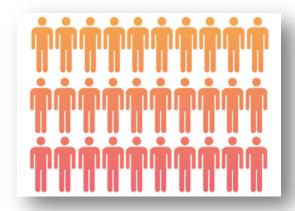
Tasa de complicaciones post resección hepática

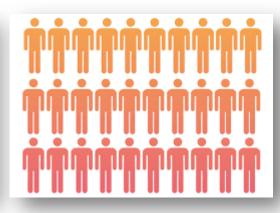


Tasa de complicaciones post resección hepática



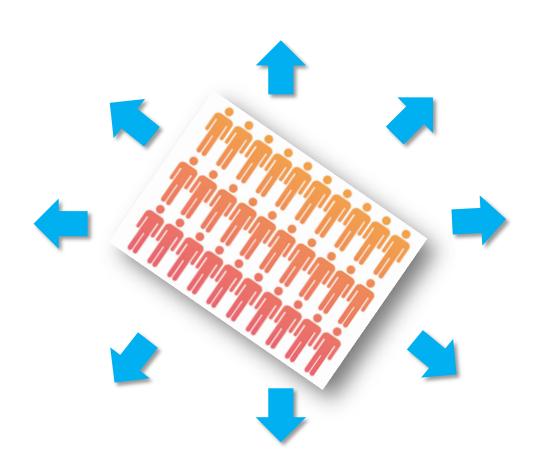
Tasa de complicaciones post resección hepática





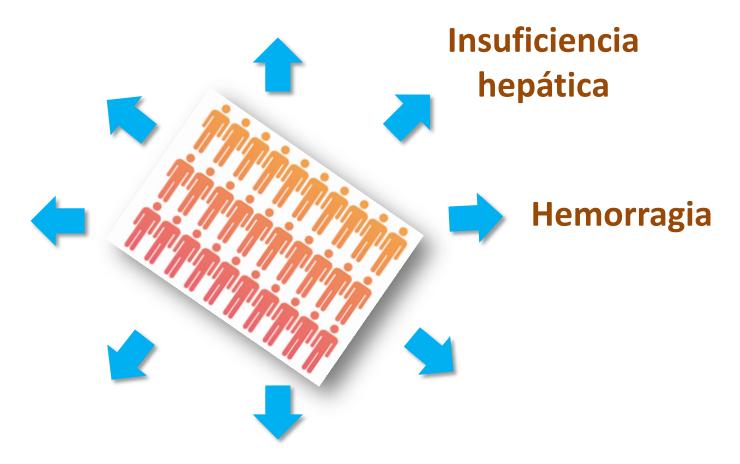
1/3







Fístula biliar

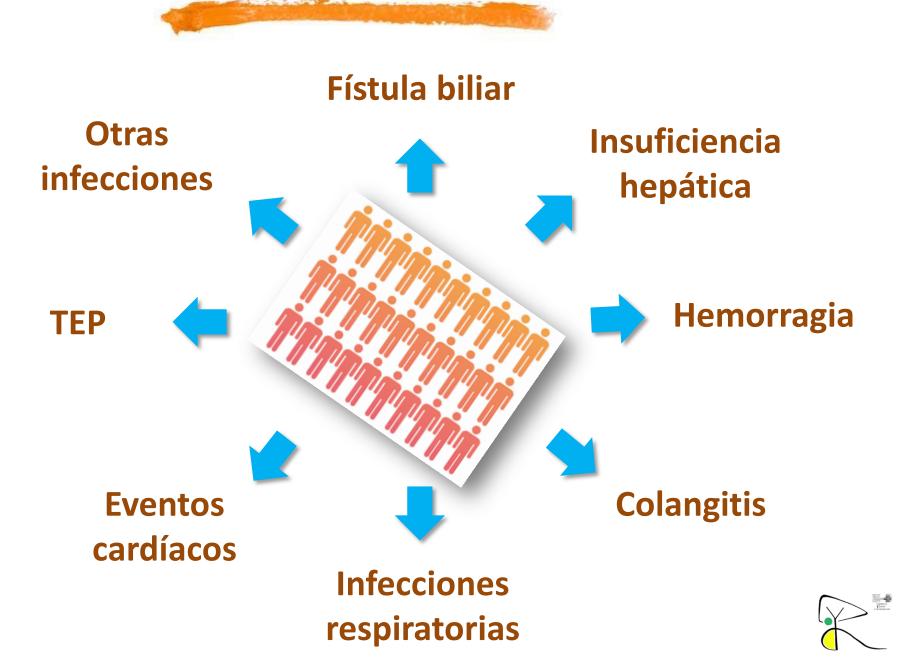




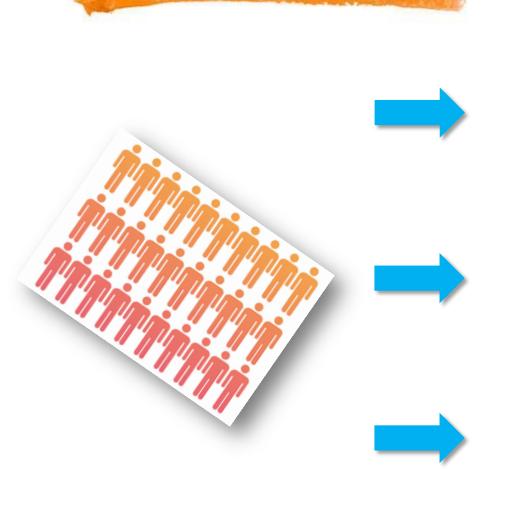
Fístula biliar Insuficiencia hepática Hemorragia **Colangitis**

Infecciones respiratorias





Consecuencias de las complicaciones



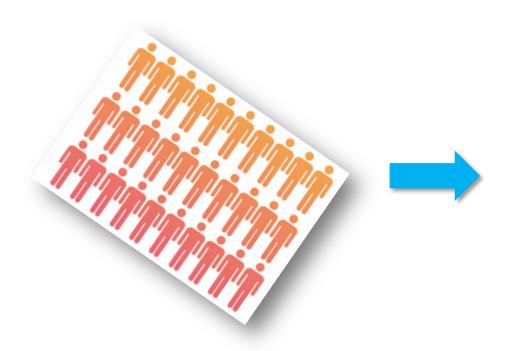
Disminución de la calidad de vida

Aumento de la estancia hospitalaria

Aumento de los costes



Consecuencias de las complicaciones



Peores resultados oncológicos



Otras neoplasias

Impact of postoperative complications on long-term outcome of curative resection for hepatocellular carcinoma

K. S. Chok, K. K. Ng, R. T. Poon, C. M. Lo and S. T. Fan

Department of Surgery, University of Hong Kong Medical Centre, Queen Mary Hospital, Hong Kong, China

Risk Factors for Postoperative Complications in Oral Cancer and Their Prognostic Implications

Giulianno Molina de Melo, MD; Karina de Cássia Braga Ribeiro, DDS, MSc; Luiz P. Kowalski, MD, PhD; et al

» Author Affiliations | Article Information

University of Hong Kong, Queen Mary

The Impact of Complications on Outcomes after Resection for Esophageal and Gastroesophageal Junction Carcinoma

Nabil P Rizk, MD, Peter B Bach, MD, Deborah Schrag, MD, Manjit S Bains, MD, FACS, Alan D Turnbull, MD, FACS, Martin Karpeh, MD, FACS, Murray F Brennan, MD, FACS, Valerie W Rusch, MD, FACS





Infectious Postoperative Complications Decrease Long-term Survival in Patients Undergoing Curative Surgery for Colorectal Cancer

A Study of 12,075 Patients

Avo Artinyan, MD, MS,*† Sonia T. Orcutt, MD,† Daniel A. Anaya, MD,*†‡ Peter Richardson, PhD,‡§ G. John Chen, MD, PhD, MPH,‡§ and David H. Berger, MD, MHCM*†‡

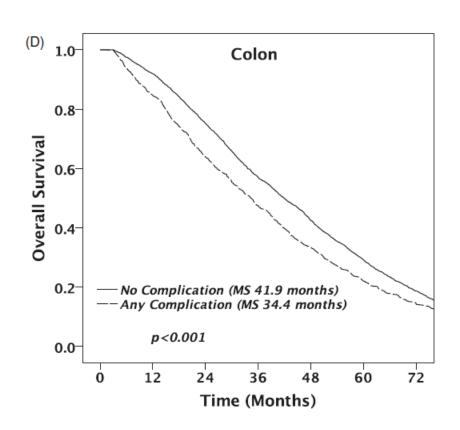


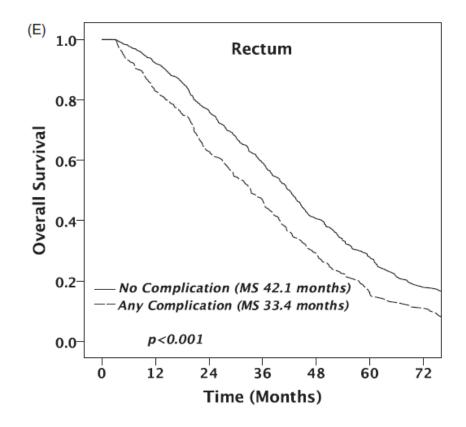
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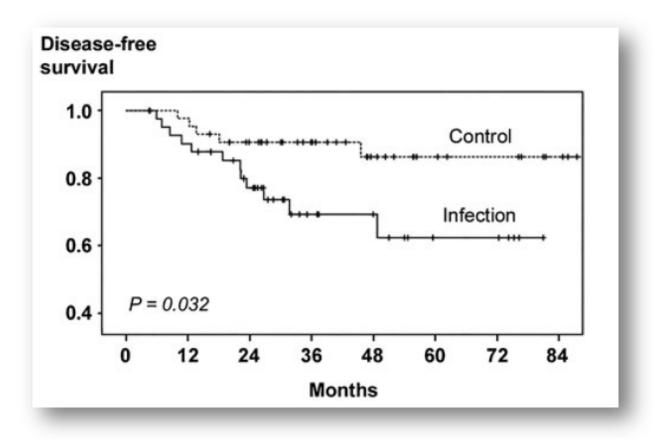


Postoperative Peritoneal Infection Enhances Migration and Invasion Capacities of Tumor Cells In Vitro

An Insight Into the Association Between Anastomotic Leak and Recurrence After Surgery for Colorectal Cancer

Silvia Salvans, MD,*† Xavier Mayol, PhD,† Sandra Alonso, MD, PhD,*† Ramon Messeguer, PhD,‡ Marta Pascual, MD, PhD,*† Sergi Mojal, BSc,§ Luis Grande, MD, PhD,*† and Miguel Pera, MD, PhD*†









BJS 2003

Influence of postoperative morbidity on long-term survival following liver resection for colorectal metastases

C. Laurent, A. Sa Cunha, P. Couderc, E. Rullier and J. Saric

Department of Surgery, Hôpital Saint-André, 33075 Bordeaux, France Correspondence to: Dr C. Laurent (e-mail: christophe.laurent@chu-bordeaux.fr)

Ann Surg 2011

Correlation Between Postoperative Infective Complications and Long-Term Outcomes After Hepatic Resection for Colorectal Liver Metastasis

Shahid G. Farid, MRCS, Amer Aldouri, FRCS, Gareth Morris-Stiff, FRCS, Aamir Z. Khan, FRCS, Giles J. Toogood, FRCS, J. Peter A. Lodge, FRCS, and K. Rajendra Prasad, FRCS

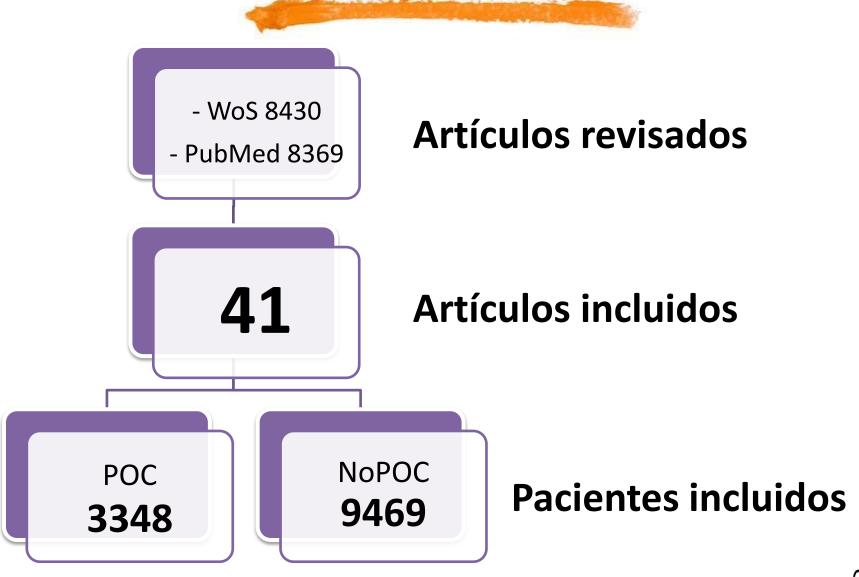


Impact of Postoperative Complications on Survival and Recurrence After Resection of Colorectal Liver Metastases

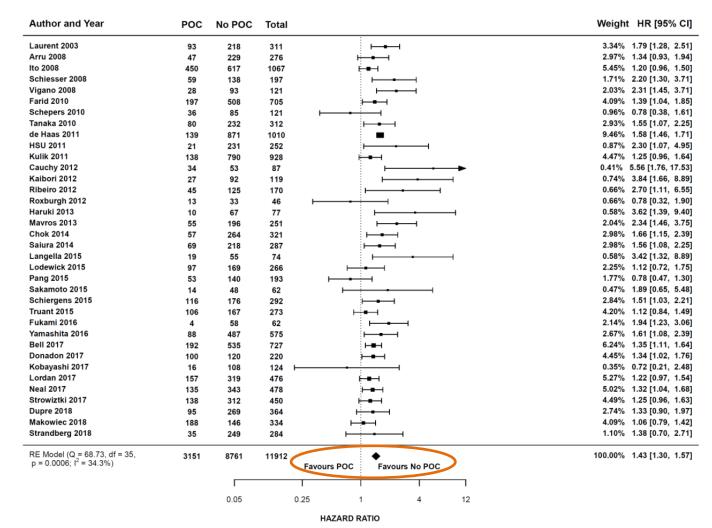
Systematic Review and Meta-analysis

Dimitri Dorcaratto, MD, PhD,* Guido Mazzinari, MD, PhD,†‡ Maricarmen Fernandez, MD,* Elena Muñoz, MD, PhD,* Marina Garcés-Albir, MD, PhD,* Joaquin Ortega, MD, PhD,* and Luis Sabater, MD, PhD*









43%

Incremento del riesgo de **mortalidad**



Supervivencia libre enfermedad

Author and Year	POC	No POC	Total		Weight HR [95% CI]
Laurent 2003	93	218	311	⊢ •	5.64% 1.52 [1.13, 2.05]
Capussotti 2006	41	109	150	⊢	2.46% 1.04 [0.64, 1.68]
Ito 2008	450	617	1067	⊢ ■-1	9.52% 1.20 [0.97, 1.48]
Schiesser 2008	59	138	197	⊢ ■→	3.11% 1.80 [1.18, 2.75]
Nikfarjam 2009	24	40	64		0.59% 1.24 [0.45, 3.43]
Farid 2010	197	508	705	⊢≡ ⊣	9.76% 1.36 [1.10, 1.67]
Tanaka 2010	80	232	312	- ■-1	5.62% 1.39 [1.03, 1.88]
de Haas 2011	139	871	1010	⊢ ■ ⊣	9.76% 1.36 [1.10, 1.67]
Cauchy 2012	34	53	87		1.13% 1.13 [0.55, 2.34]
Kaibori 2012	27	92	119		1.50% 2.33 [1.24, 4.36]
Ribeiro 2012	45	125	170	!	2.88% 1.37 [0.88, 2.13]
Roxburgh 2012	13	33	46	⊢	0.91% 1.11 [0.49, 2.50]
Haruki 2013	10	67	77	⊢	0.78% 1.53 [0.63, 3.69]
Mavros 2013	55	196	251	⊢ •−1	3.23% 2.36 [1.56, 3.58]
Shimomura 2013	11	53	64	—	0.85% 1.52 [0.65, 3.53]
Hasegawa 2015	25	146	171	 	1.66% 1.44 [0.79, 2.61]
Lodewick 2015	97	169	266	⊢ •	2.89% 1.15 [0.74, 1.78]
Pang 2015	53	140	193	⊢	3.96% 1.07 [0.74, 1.55]
Sakamoto 2015	14	48	62	⊢	0.99% 1.25 [0.57, 2.73]
Truant 2015	106	167	273	⊢	4.39% 1.62 [1.14, 2.30]
Postlewait 2016	96	360	456	⊢ ■	3.97% 2.01 [1.39, 2.91]
Yamashita 2016	88	487	575	⊢≖ ⊣	5.87% 1.45 [1.08, 1.94]
Bell 2017	192	535	727	. ■-1	10.05% 1.14 [0.93, 1.40]
Kobayashi 2017	16	108	124	—	1.41% 1.58 [0.82, 3.02]
Neal 2017	135	343	478		7.08% 1.27 [0.98, 1.64]
RE Model (Q = 26.05, df = 24, p = 0.3507; l ² = 13.7%)	2100	5855	7955 F	Favours POC Favours No POC	100.00% 1.38 [1.27, 1.49]
		0.05	(0.25 1 4 12	
				HAZARD RATIO	

38%

Incremento del riesgo de recidiva



Complicaciones postoperatorias

Peores resultados oncológicos



¿Todas las complicaciones?



¿Todas las complicaciones?

Etiología

Gravedad



Etiología

Journal of Gastrointestinal Surgery https://doi.org/10.1007/s11605-018-3854-2



ORIGINAL ARTICLE

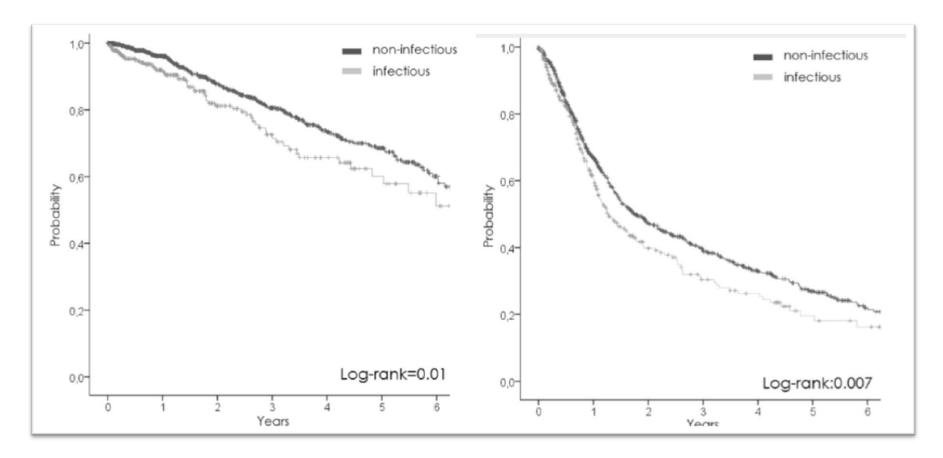


Postoperative Infectious Complications Impact Long-Term Survival in Patients Who Underwent Hepatectomies for Colorectal Liver Metastases: a Propensity Score Matching Analysis

Riccardo Memeo ^{1,2,3} • Vito de Blasi ^{1,2,3} • Rene Adam ⁴ • Diane Goéré ⁵ • Alexis Laurent ⁶ • Nicola de'Angelis ⁶ • Tullio Piardi ⁷ • Emilie Lermite ⁸ • Astrid Herrero ⁹ • Francis Navarro ⁹ • Antonio Sa Cunha ⁴ • Patrick Pessaux ^{1,2,3,10} • on behalf of the French colorectal liver metastases working group - Association Française de Chirurgie (AFC)



Etiología





Gravedad

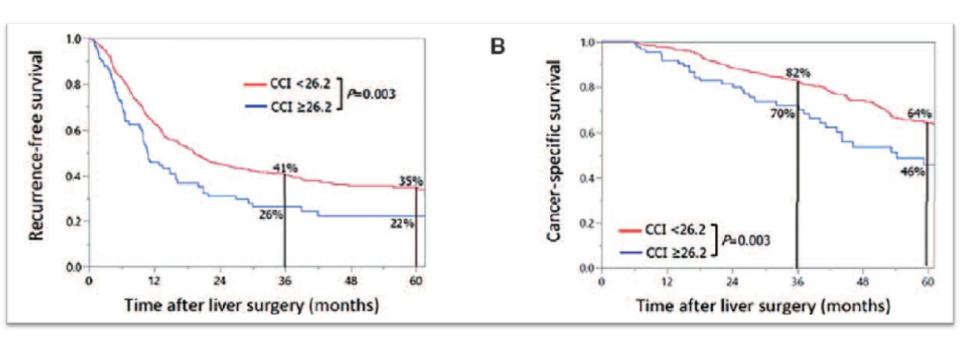
ORIGINAL ARTICLE

Comprehensive Complication Index Predicts Cancer-specific Survival After Resection of Colorectal Metastases Independent of RAS Mutational Status

Suguru Yamashita, MD, PhD,* Rahul A. Sheth, MD,† Andrew S. Niekamp, MD,† Thomas A. Aloia, MD,* Yun Shin Chun, MD,* Jeffrey E. Lee, MD,* Jean-Nicolas Vauthey, MD,* and Claudius Conrad, MD, PhD*

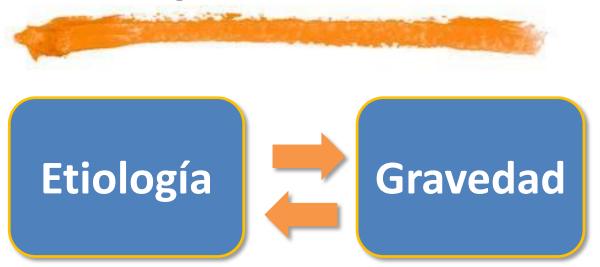


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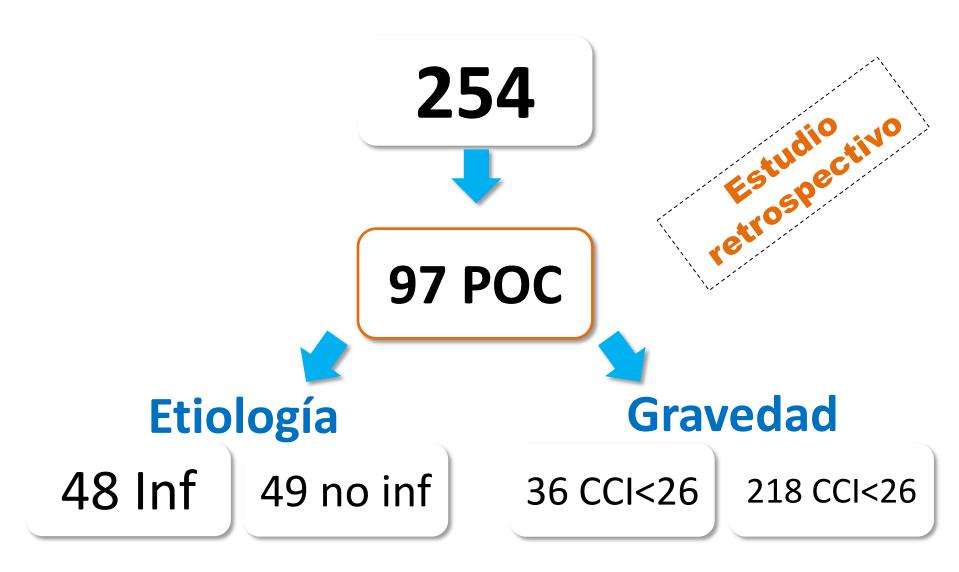




¿Todas las complicaciones?





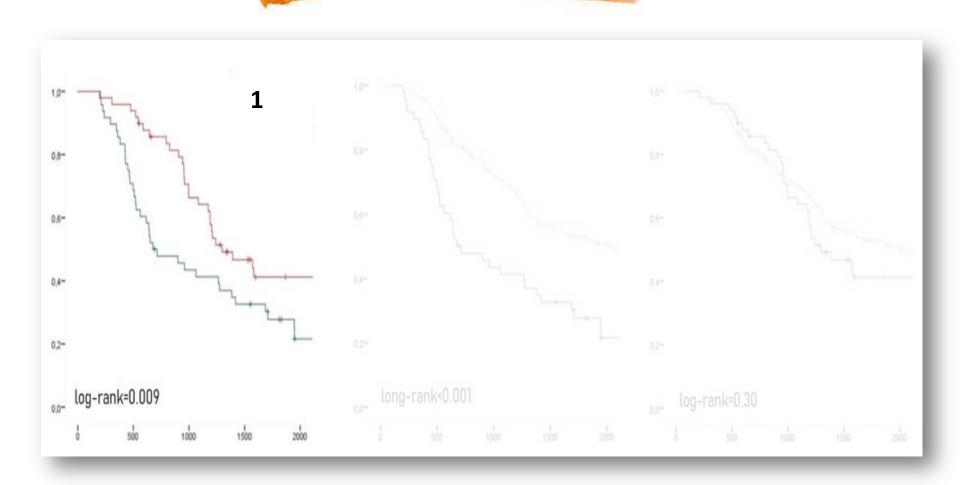






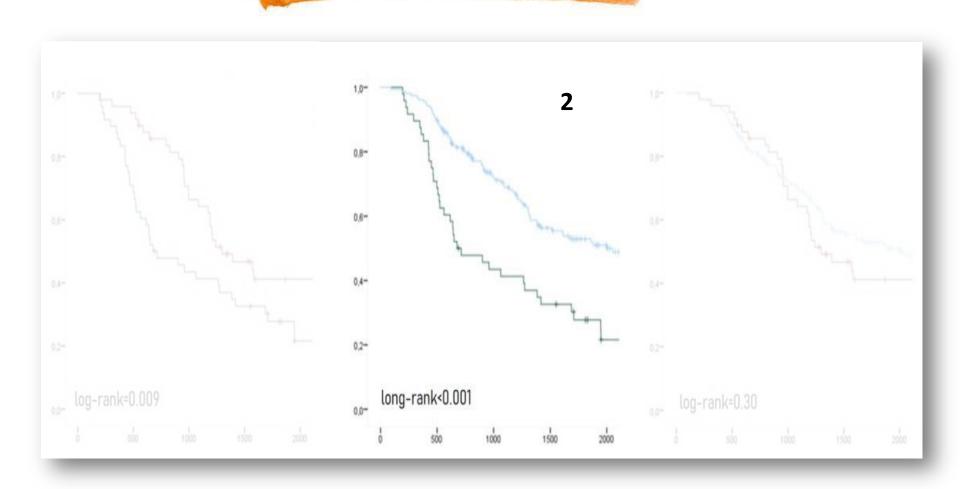
- Análisis multivariante
- Propensity score





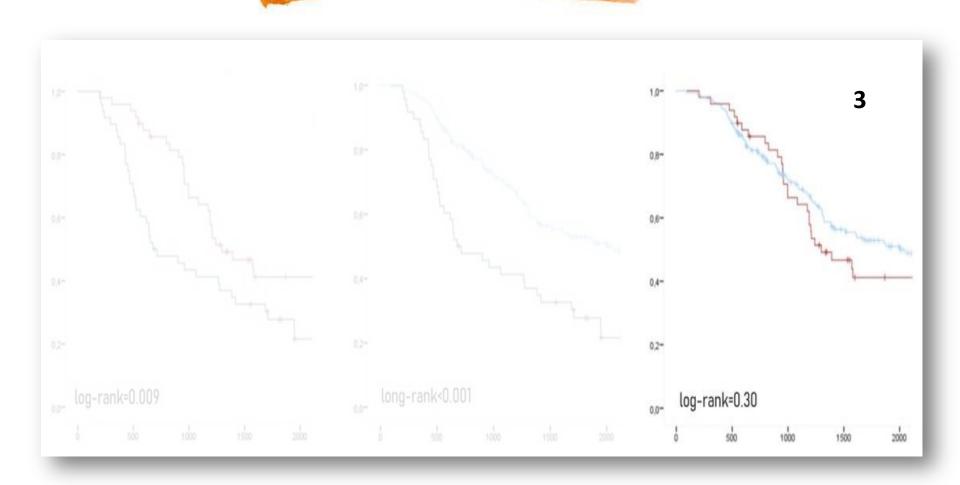
Infecciosas vs no infecciosas





Infecciosas vs no complicaciones

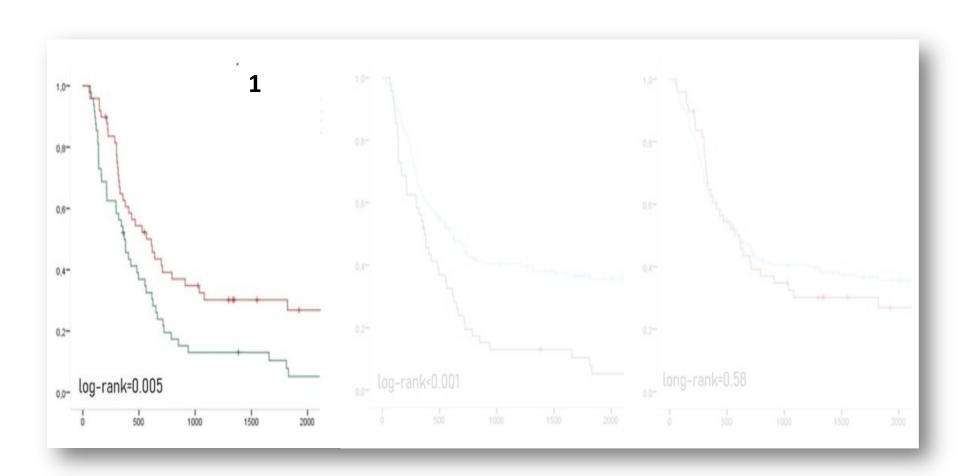




No infecciosas vs no complicaciones



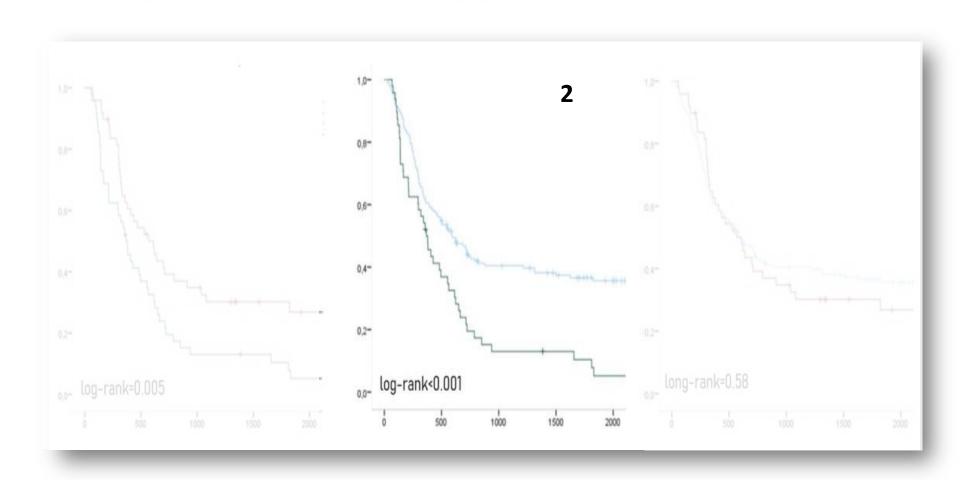
Supervivencia libre enfermedad



Infecciosas vs no infecciosas



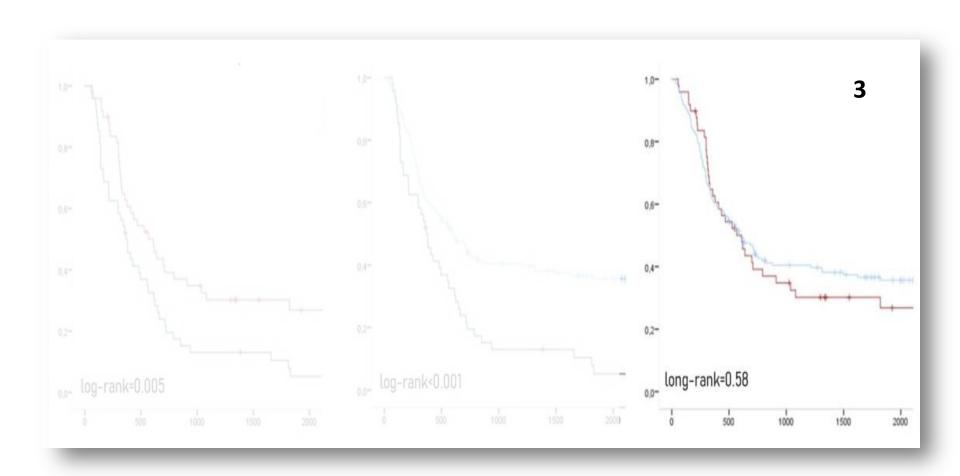
Supervivencia libre enfermedad



Infecciosas vs no complicaciones



Supervivencia libre enfermedad



No infecciosas vs no complicaciones



¿Todas las complicaciones?

Etiología

Gravedad



¿Todas las complicaciones?



Gravedad



Complicaciones postoperatorias





Complicaciones infecciosas











Peores resultados oncológicos











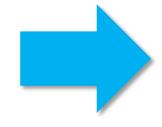
Postoperative Peritoneal Infection Enhances Migration and Invasion Capacities of Tumor Cells In Vitro

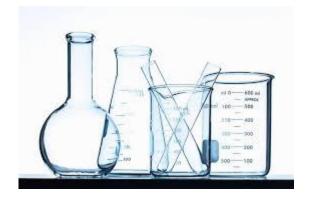
An Insight Into the Association Between Anastomotic Leak and Recurrence After Surgery for Colorectal Cancer

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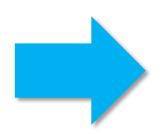
Paciente complicado

Suero y líquido peritoneal







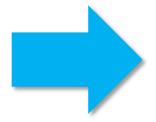


- 1- Citoquinas
- 2- Migración tumoral
- 3- Prolifereción tumoral





Suero y líquido peritoneal 1- Incremento VEGF y IL-6



2- Incremento migración











Complicaciones

Proliferación tumoral

Migración tumoral







1- Recoger mejor las complicaciones



1- Recoger mejor las complicaciones

Degree	Definition
I	Any deviation from the normal postoperative cours without need of intervention beyond the admition of anti-emetics, antipyretics, analgesic electrolytes, and psychical therapy
II	Complication requiring pharmacological an ent with other medicines beyond the ones used for complications of degree I
III	Complications requiring surgical, endoscopic, or radio- logical intervention
III-a	Intervention without general anesthesia
III-b	Intervention under general anesthesia
IV	Life-threatening complication requiring admission to intensive care unit
IV-a	Uniorgan dysfunction (including dialysis)
IV-b	Multiorgan dysfunction
V	Death

^a This degree also includes wound infections opened at the bedside.



1- Recoger mejor las complicaciones

The Comprehensive Complication Index

A Novel Continuous Scale to Measure Surgical Mork

Ksenija Slankamenac, MD,* Rolf Graf, PhD,* Jeffrey Barkun, MD,† Milo : AD, PhD,‡ and Pierre-Alain Clavien, MD, PhD*



1- Recoger mejor las complicaciones

The Comprehensive Complication Index

A Novel Continuous Scale to Measure Surgical Morbidity

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- 1- Recoger mejor las complicaciones
- 2- Actualizar los escores



1- Recoger mejor las complicaciones

2- Actualizar los escores

Clinical Score for Predicting Recurrence After Hepatic Resection for Metastatic Colorectal Cancer

Analysis of 1001 Consecutive Cases

Yuman Fong, MD,*† Joseph Fortner, MD,† Ruth L. Sun, BA,*† Murray F. Brennan, MD,† and Leslie H. Blumgart, MD, FRCS*†



- 1- Recoger mejor las complicaciones
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Año 1999



- 1- Recoger mejor las complicaciones
- 2- Actualizar los escores
- **3- Reducir complicaciones**



- 1- Recoger mejor las complicaciones
- 2- Actualizar los escores
- **3- Reducir complicaciones**

PREHABILITACIÓN

CENTRALIZACIÓN

DIAGNÓSTICO PRECOZ



1- Recoger mejor las complicaciones

2- Actualizar los escores

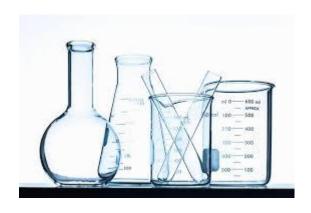
3- Reducir complicaciones



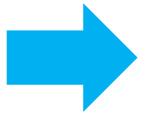






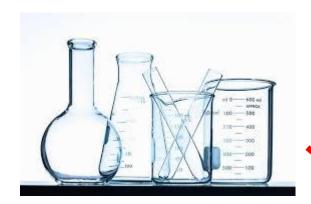


Suero y líquido peritoneal 1- Incremento VEGF y IL-6



2- Incremento migración

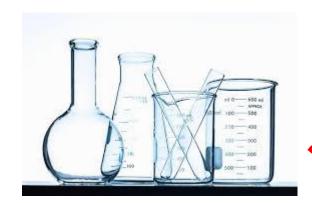




Suero y líquido peritoneal 1- Incremento VEGF y IL-6

2- Incremento migración





Suero y líquido peritoneal 1- Incremento VEGF y IL-6

2- Incremento migración









@dorcaratto @HBPvalencia

