
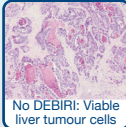

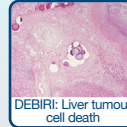


Trials for Hepatic Metastases

	Design	Endpoint	Regimen	Status	n	Location							
Colorectal	Drug-Eluting Bead, Irinotecan (DEBIRI) Therapy of Liver Metastases from Colon Cancer with Concomitant Systemic Oxaliplatin, Fluorouracil and Leucovorin Chemotherapy, and Anti-Angiogenic Therapy												
	Feasibility phase: 10 patients Randomised phase: 60 patients	Safety Efficacy	FOLFOX + Avastin (IV) vs FOLFOX + Avastin + DEBIRI	Recruiting	70	USA							
	Schema <table border="1"> <tr> <td>Week 1 FOLFOX + Avastin</td> <td>Week 2 LC Bead 100mg Irinotecan</td> <td>Week 3 FOLFOX + Avastin</td> <td>Week 4 LC Bead 100mg Irinotecan</td> <td>Week 5 FOLFOX + Avastin</td> <td>Week 6 Break</td> <td>Week 7 FOLFOX + Avastin</td> </tr> </table> <ul style="list-style-type: none"> Then repeat CT to evaluate initial response 			Week 1 FOLFOX + Avastin	Week 2 LC Bead 100mg Irinotecan	Week 3 FOLFOX + Avastin	Week 4 LC Bead 100mg Irinotecan	Week 5 FOLFOX + Avastin	Week 6 Break	Week 7 FOLFOX + Avastin	Response Rates and Pharmacokinetics to Date* <ul style="list-style-type: none"> 3 and 6-month response rate: 100% (2 CR, 8 PR) Surgical Downstaging <ul style="list-style-type: none"> 5 (50%) patients downstaged to resection All tolerated surgical resection Pathologic response rates >90% 		
	Week 1 FOLFOX + Avastin	Week 2 LC Bead 100mg Irinotecan	Week 3 FOLFOX + Avastin	Week 4 LC Bead 100mg Irinotecan	Week 5 FOLFOX + Avastin	Week 6 Break	Week 7 FOLFOX + Avastin						
	Chemoembolisation with Irinotecan-Loaded DC Bead® (DEBIRI) in Combination with Cetuximab in the First-line Treatment of Patients with KRAS Wild-type Metastatic Colorectal Cancer (mCRC)												
Feasibility study	Feasibility Safety Efficacy	FOLF + Cetuximab + DEBIRI	Protocol in development	10	Belgium								
A Single-arm Phase II Study of Neoadjuvant Therapy Using Irinotecan Bead in Patients with Resectable Liver Metastases from Colorectal Cancer													
Single-arm, multicentre	Rate of R0 at Resection	DEBIRI Prior to Resection	Recruiting	20	UK, Spain France								
				Response Rates to Date* <ul style="list-style-type: none"> 19 patients recruited and embolised 17 now operated 50% demonstrate 90-100% tumour necrosis 30% demonstrate 50-90% tumour necrosis 20% demonstrate <50% tumour necrosis 									
A Randomised Phase II Trial of Irinotecan Drug-Eluting Beads Administered by Hepatic Chemoembolisation with Cetuximab (IV) vs Systemic Treatment with Cetuximab (IV) in Patients with Refractory Metastatic Colorectal Cancer and KRAS Wild-type Tumours													
Multicentre Randomised controlled trial	Safety Efficacy	Cetuximab + DEBIRI vs Cetuximab + irinotecan	Recruiting	74	Germany								
DC Bead®/LC Bead™ International Registry													
Registry	Safety Efficacy	DEBIRI in current clinical practice	Recruiting	550	Global								
Melanoma	Transcatheter Arterial Chemoembolisation (TACE) with Doxorubicin-Loaded LC Bead in the Treatment of Liver Metastases in Patients with Stage IV Metastatic Melanoma: A Multicenter Pilot, Non-Randomised Feasibility Trial												
	Multicentre pilot study	Feasibility Safety Efficacy	LC Bead + Doxorubicin	Recruiting	40	USA +Germany							
Neuroendocrine	Transarterial Chemoembolisation of Liver Metastases from Well Differentiated Gastroenteropancreatic Endocrine Tumours with Doxorubicin-Eluting Beads												
	Single-arm, prospective study	Feasibility Safety Efficacy	DC Bead + Doxorubicin	Published JVIR 19 (6) 2008	30	France							

Clinical Trials for Hepatocellular Carcinoma

	Study Design	Endpoint	Status	n	Location	
Bridge to Liver Transplant	Prospective Randomised Study of Transarterial Doxorubicin-Eluting Bead Embolisation vs Conventional TACE in the Treatment of Patients with Hepatocellular Carcinoma on the Liver					
	Multicentre, Randomised, Phase II	Histological Response and Transplantability	Recruiting	88	Germany	
Bridge to Liver Transplant	Assessment of Chemoembolisation using Doxorubicin-Eluting Beads in Patients Listed for Orthotopic Liver Transplantation with Hepatocellular Carcinoma with Explant Correlation					
	Single-Centre, Phase II	Histological Response and Transplantability	Recruiting	20	New Zealand	
Downstage to Resection or Transplant	LC Drug-Eluting Bead for Treatment of Liver Cancer Which Cannot be Surgically Removed (HCC)					
	Single-Centre, Phase II	Histological Response and Resectability	Recruiting	18	USA	
	A Pilot Study of Neoadjuvant Therapy for Hepatocellular Carcinoma using Doxorubicin-Eluting Embolic Beads					
Downstage to Resection or Transplant	Single-Centre, Phase II	Downstage to Transplant	Recruiting	20	USA	
	Chemoembolization of Hepatocellular Carcinoma with Drug-Eluting Beads: Efficacy and Doxorubicin Pharmacokinetics (PRECISION I)					
	Single-Centre, Phase II	Safety, Efficacy and Pharmacokinetics (Dose Escalation)	Published: Varela M, Real MI, Burrel M et al: Journal of Hepatology 46 (2007) 474-481	27	Spain	
Unsuitable for Liver Transplant or Resection	A Phase I/II Trial of Chemoembolization for Hepatocellular Carcinoma using a Novel Intra-arterial Drug-Eluting Bead (PRECISION II)					
	Prospective, Single-Arm, Phase I/II	Phase I: Dose Escalation Phase II: Safety and Efficacy	Published: Poon R, Tso W, Pang R et al: Journal Clinical Gastroenterology and Hepatology 5 (2007) 1100-1108	35	Hong Kong	
	Prospective Randomised Study of Doxorubicin in the Treatment of Hepatocellular Carcinoma by Drug-Eluting Bead Embolisation (PRECISION V)					
	International Multicentre, Prospective, Randomised, Single-Blind, Phase II	Safety and Efficacy	Published: Lammer J, Malagari K, Vogl T et al: Cardiovasc Intervent Radiol 33 (2010) 41-52 ¹	212	International Multicentre	
	Doxorubicin-eluting Bead-enhanced Radiofrequency Ablation of Hepatocellular Carcinoma: a Pilot Clinical Study					
	Prospective, Single-Arm, Pilot	Safety and Efficacy	Published: Lencioni R, Crocetti L, Petruzzi P et al: Journal of Hepatology 49 (2008) 217-222	20	Italy	
	Prospective Randomized Comparison of Chemoembolization with Doxorubicin-Eluting Beads and Bland Embolization with BeadBlock for Hepatocellular Carcinoma					
	Prospective, Randomised, Single-Centre	Efficacy, Safety, Time to Progression and Survival	Published: Malagari K, Pomoni M, Kelekis et al: Cardiovasc Intervent Radiol 33 (2010) 541-551	41	Greece	
	Single Centre Phase II Trial of Transarterial Chemoembolization with Drug-Eluting Beads for Patients with Unresectable Hepatocellular Carcinoma					
	Prospective, Single-Arm, Phase II, Pilot	Efficacy, Safety, Feasibility, Progression-Free Survival and Overall Survival	Published: Reyes D, Vossen J, Geschwind J et al: The Cancer Journal 15 (2009) 526-532	20	USA	
A Phase II Randomized, Double-blind, Placebo-controlled Study of Sorafenib or Placebo in Combination With Transarterial Chemoembolization (TACE) Performed With DC Bead and Doxorubicin for Intermediate Stage Hepatocellular Carcinoma (HCC)						
International Multicentre, Randomised, Double-Blind, Phase II	Time to Untreatable Progression	Recruiting	300	International Multicentre		

Reference: 1 Data accepted by Biocompatibles DC Bead product brochures

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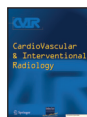
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Label Colour	Nominal Bead Size	Volume of Beads	Product Code
Yellow	100 - 300 µm	2ml	DC2V103
Blue	300 - 500 µm	2ml	DC2V305
Red	500 - 700 µm	2ml	DC2V507



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