Radiation Therapy Oncology Group Phase III Study of Hepatocellular Carcinoma							RT	RTOG Study No 1112			Case # EL HERE	
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					<u>Spread</u>	sheet for l	GRT Data	Collection	1			
titution 1	Name 8	Numb	er		RTOG Study & Case Number							
uipment	Used f	or IGR	т_									
						_					·	
	Date	Fx #	Time	IGRT technique	Isocenter shift X (mm)1	Isocenter shift Y (mm)1	Isocenter shift Z (mm)1	Couch rotation around X (o)1	Couch rotation around Y (o)1	Couch rotation around Z (o)1	IGRT time pt2	
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Record shift and rotation numbers according to the following definition of the dimensions: (Please make sure to use correct positive or negative sign. Note that the shifts are defined as the difference between planned isocenter and imaging center, i.e. shift = planned isocenter - imaging center. For example, if the imaging center is 1.0 cm in the positive X direction from the isocenter, this should be reported as an X shift of -1.0cm or -10mm)

When the Images were obtained relative to treatment. A = Prior to treatment -- Immediately after immobilizing patient using marks on mask - no prior imaging; B = Re-imaging -- Prior to treatment but after a previous positioning and/or imaging procedure. C = Post-treatment imaging. Note that, although only "A" is required normally, "B" or "C" may be requested when the repositioning shift is $\geq 2cm$ in any direction

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PLACE LABEL HERE

Institution Name Patient Initials Institution No. RTOG Patient ID

Notes:

* An institution should have a primary means of IGRT.

KVCB = KV Cone Beam CT scan
MVCB = MV Cone Beam CT scan
KVCT = KV Fan Beam CT scan (e.g., in-room diagnostic CT)
MVCT = MV Fan Beam CT scan (e.g., Tomotherapy)
MVorth = MV orthogonal images
KVorth = KV orthogonal images
However, an institution may use a backup system for IGRT if necessary – for example if an institution's KVCB is not working one day, they may use MVorth. Portal imaging with radiographic film (MVForth) can be used for backup only.

Provide some additional information for your imaging technique that will help to estimate imaging dose:

kV, mAs, MU# used:	
CT scanning angles:	
Other:	

** Record positive or negative numbers according to the followings:

With the patient lying in the conventional (supine) position with head towards gantry:

x axis = right-left (or medial-lateral), positive: from left to right

y axis = superior-inferior (or caudal-rostral), positive: from inferior to superior

z axis = anterior-posterior (or ventral-dorsal), positive: from posterior to anterior

 θ x variance (degrees) = rotation around the x axis (i.e. pitch), positive: counter-clockwise

 θ y variance (degrees) = rotation around the y axis (i.e. roll), positive: counter-clockwise

 θz variance (degrees) = rotation around the z axis (i.e. yaw), positive: counter-clockwise

***If a repositioning was made and the shift was ≥ 2 cm in any direction, either Re-imaging or Posttreatment imaging should be obtained (thus the patient will have two IGRT datasets for that day's treatment).