

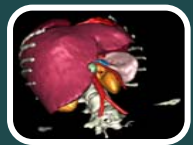
## **Pr Luc Soler**

Directeur de la Recherche et du développement de l'Institut de recherche contre les cancers de l'appareil digestif (IRCAD)

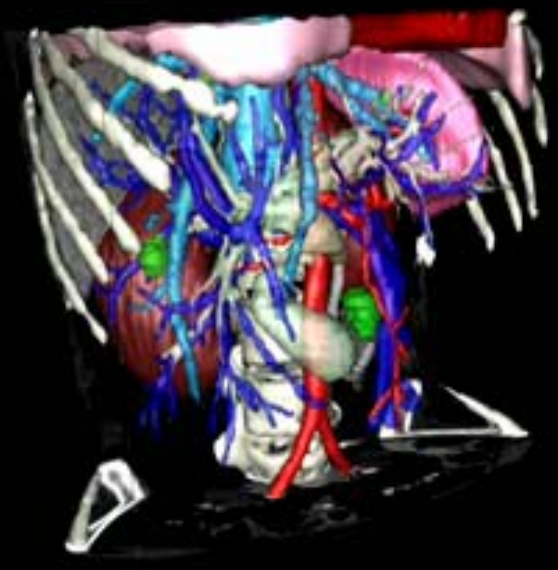
# Innovations Technologiques dans la lutte contre le cancer

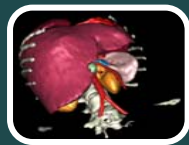
Prof. Luc Soler, Prof. Jacques Marescaux

*University of Strasbourg, France*

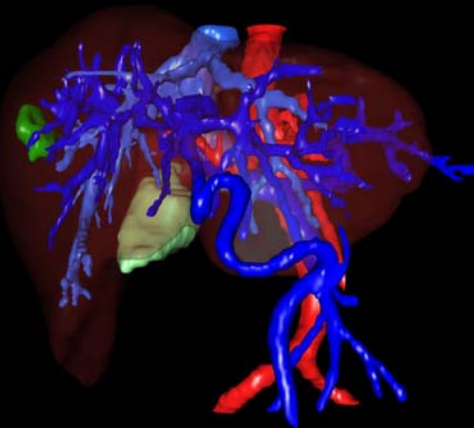
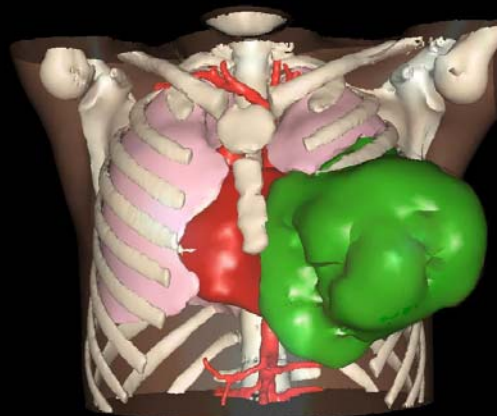
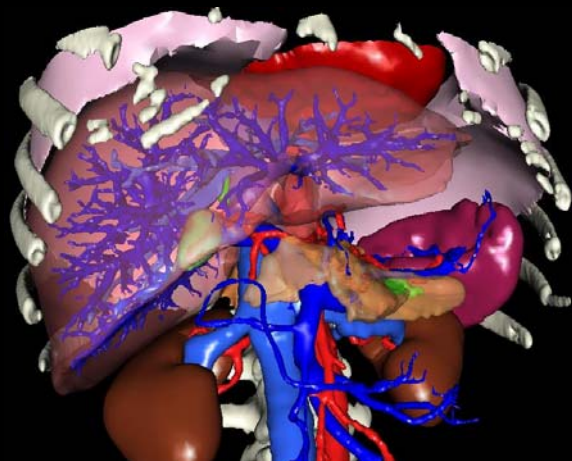


# Modélisation 3D du patient

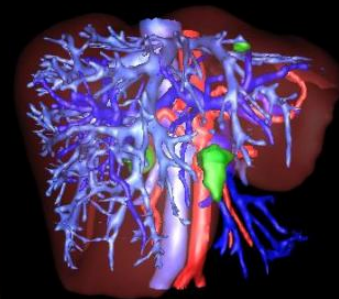
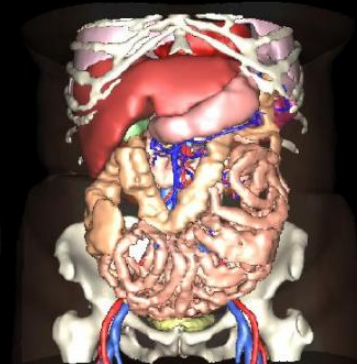
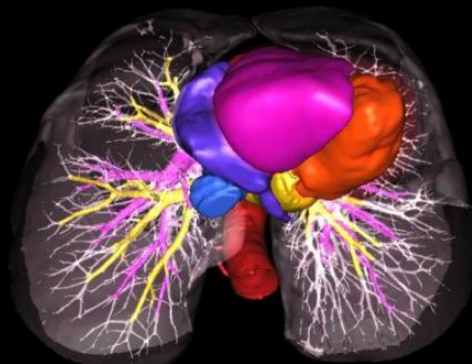
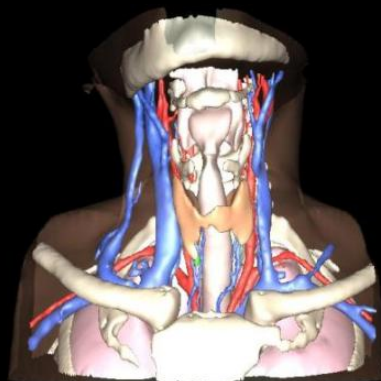
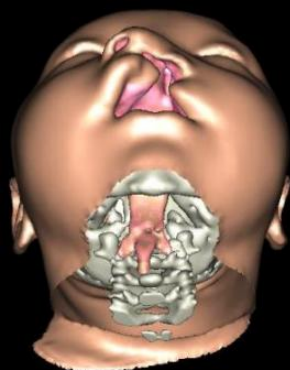


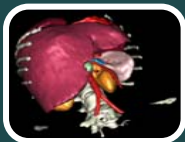


# Modélisation 3D du patient

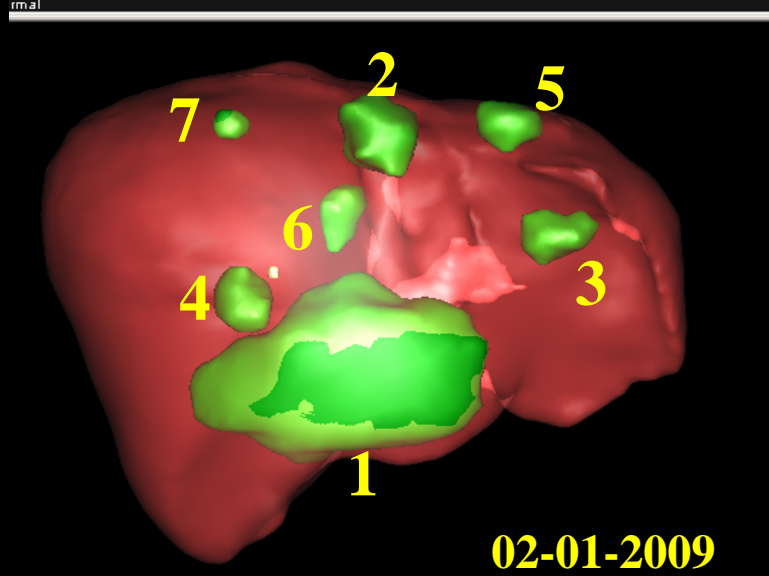
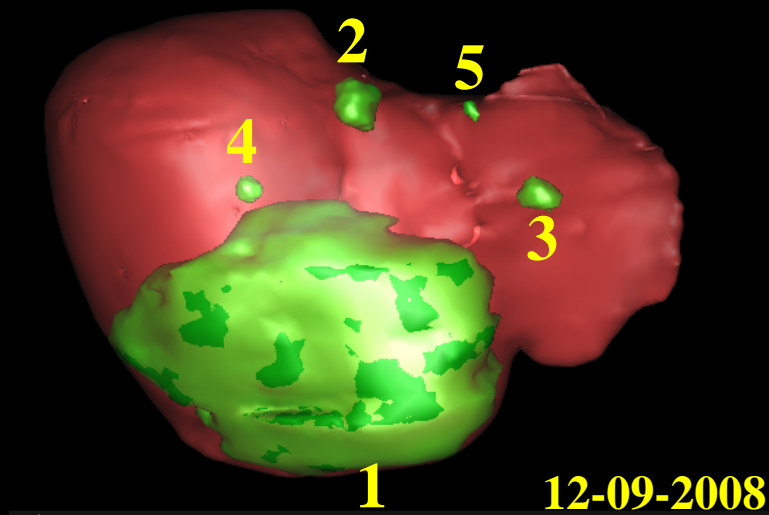


*Toute région du corps à partir d'images TDM ou IRM*

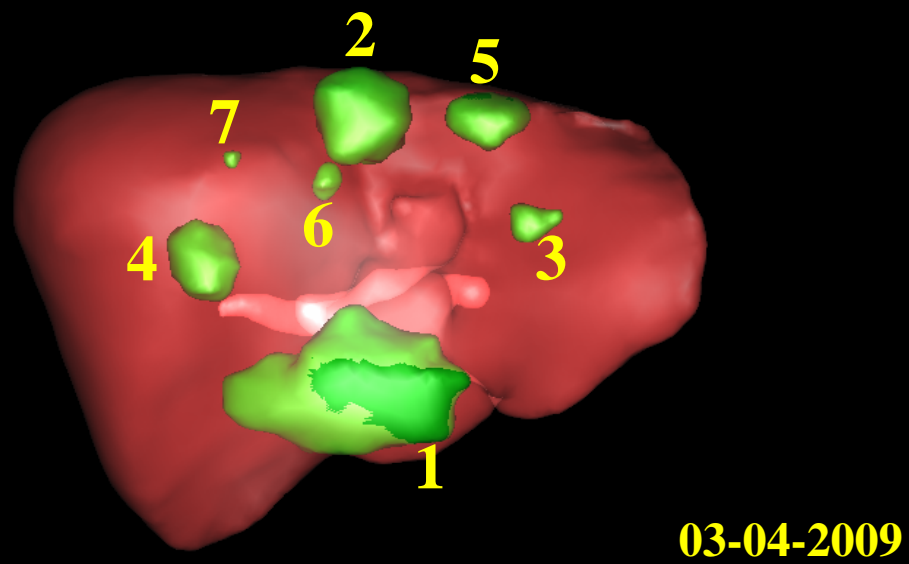




# Suivie 4D du patient



Volumes en cc	12/09/2008	02/01/2009	03/04/2009	Evolution
Tumeur 1	420,00	82,60	41,00	↘ ↘
Tumeur 2	2,90	9,80	14,80	↗ ↗
Tumeur 3	1,10	3,50	1,12	↗ ↘
Tumeur 4	0,80	7,20	7,20	↗ →
Tumeur 5	0,10	2,60	4,10	↗ ↗
Tumeur 6	0,00	2,40	0,53	↗ ↘
Tumeur 7	0,00	0,30	0,08	↗ ↘
Total	424,90	108,40	68,83	↘ ↘







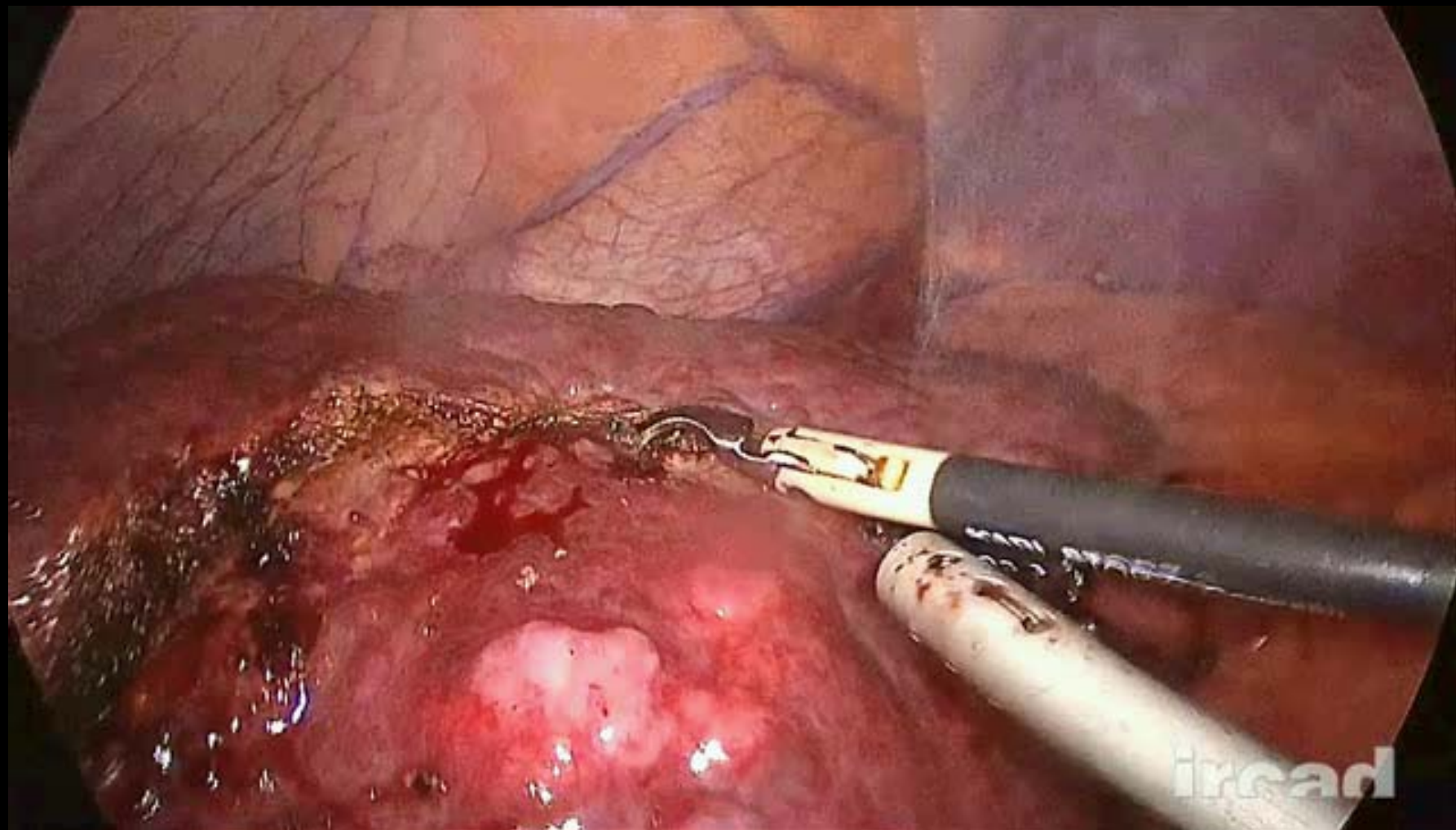
# Assistance et guidage opératoire



*Aujourd'hui Réalité augmentée interactive, demain Automatique*



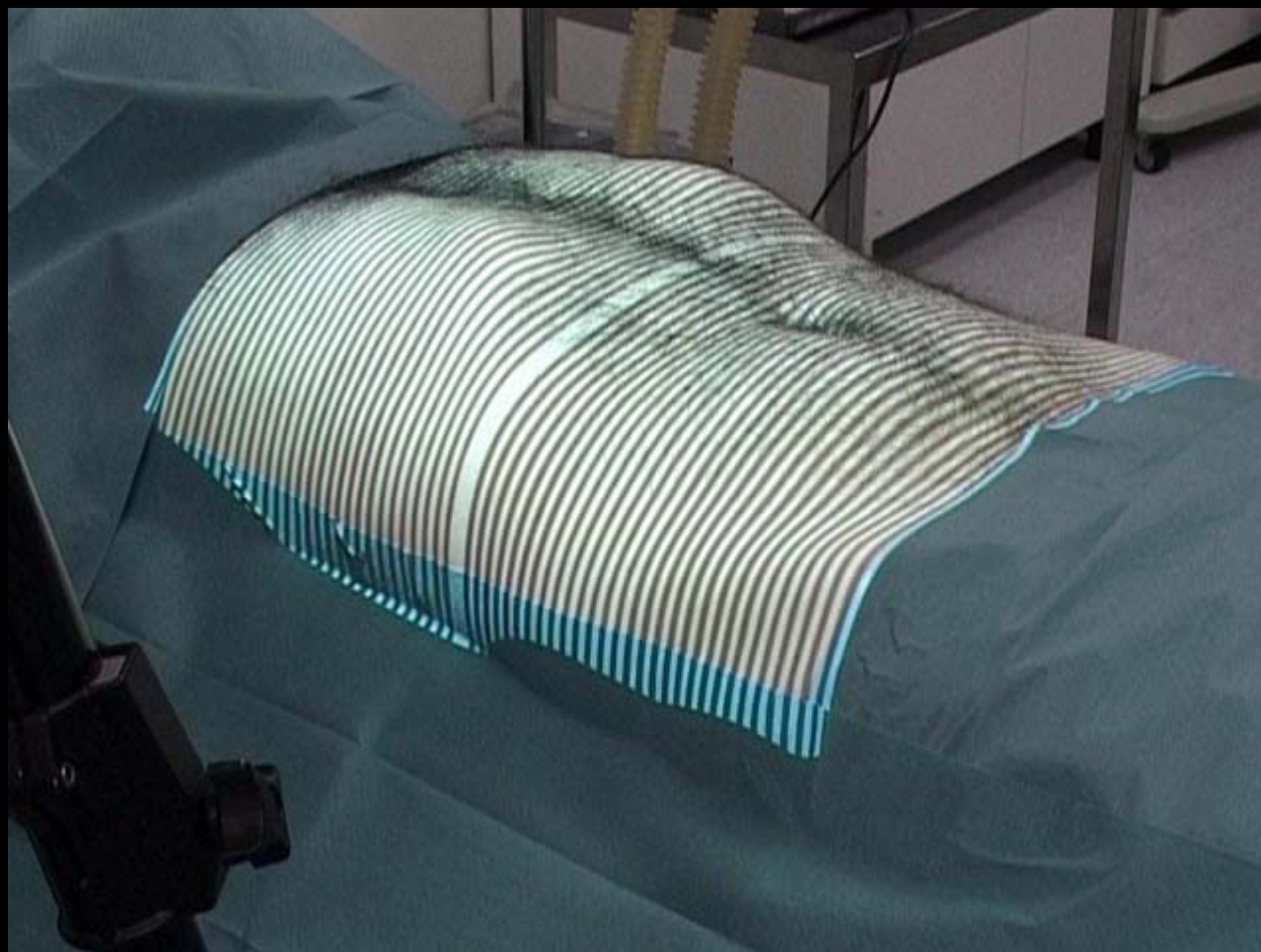
# Assistance et guidage opératoire



*Aujourd'hui Réalité augmentée interactive, demain Automatique*



# Réalité augmentée Automatique



*Futur : Radiothérapie ou HIFU Automatisée ...*