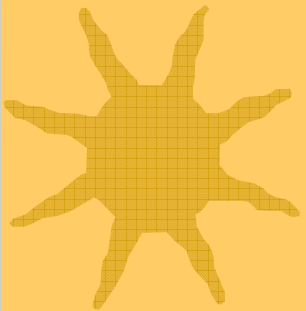
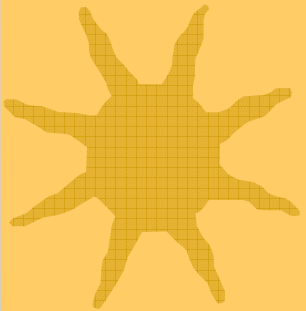
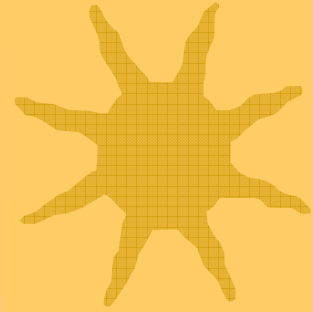


GIORNATE ONCOLOGICHE DEL MEDITERRANEO

Nuovi paradigmi in tema di biologia, diagnosi e terapia del cancro
del colon-retto, del polmone e della mammella.



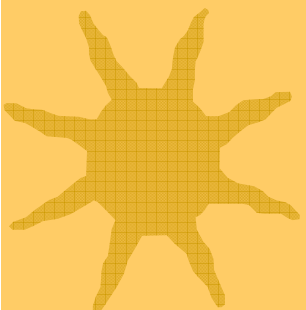
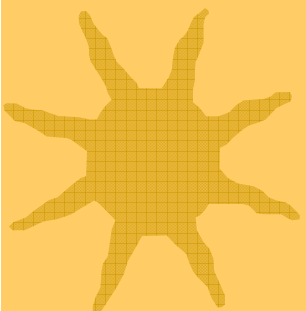
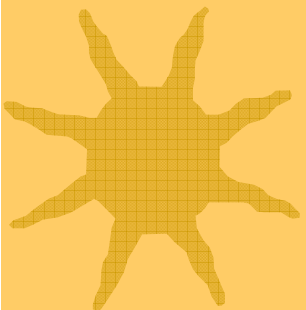
Complesso conventuale "S. Maria del Rifugio"
Cava dei Tirreni (SA)
28 settembre – 1 Ottobre 2005



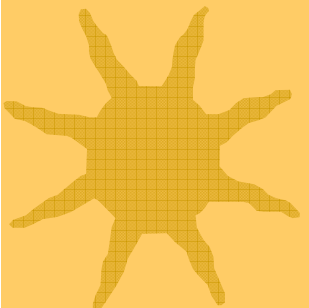
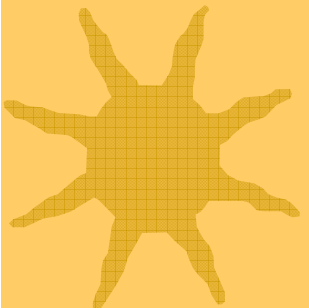
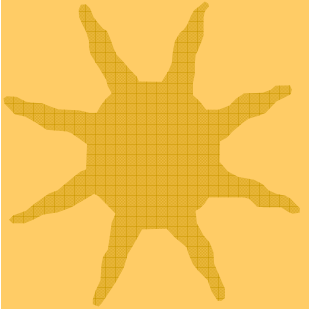
*L'Eco-Color-Doppler nella chirurgia
del cancro della mammella*



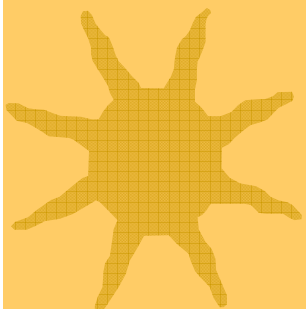
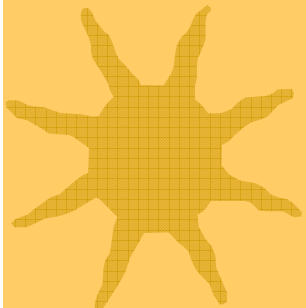
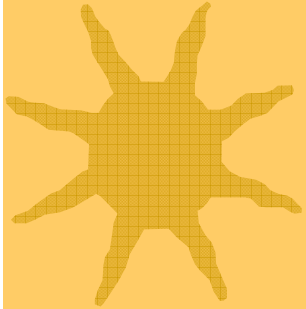
Dott. Luca Rotunno



Grazie agli studi che hanno dimostrato che la crescita e la diffusione del cancro sono correlati alla capacità delle cellule neoplastiche di sviluppare nuovi vasi,

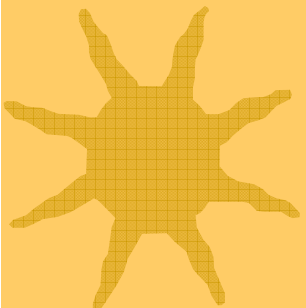
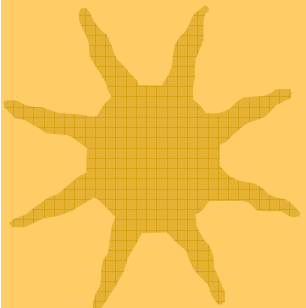
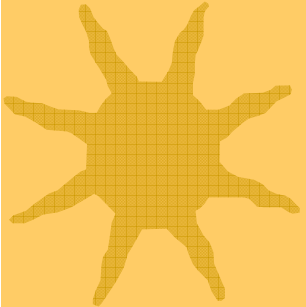


la Teoria dell'Angiogenesi ha suscitato negli ultimi anni un interesse crescente che è diventato un importante fattore nella diagnosi del cancro mammario.

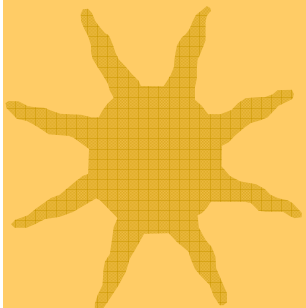
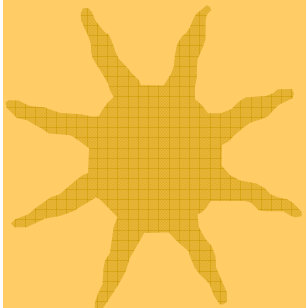
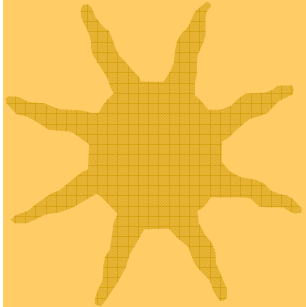


L'Eco-Color-Doppler apre una nuova era nel campo della diagnostica per immagini.

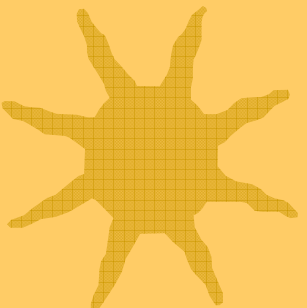
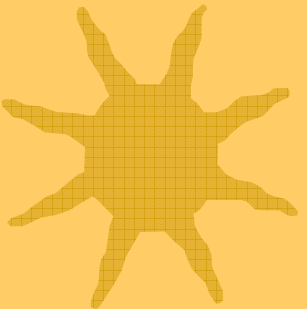
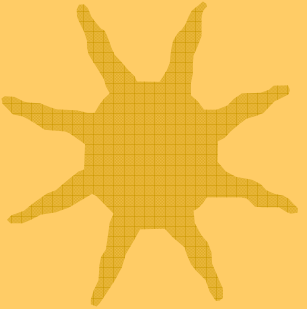




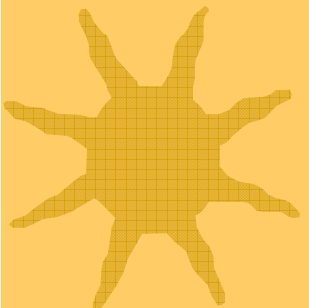
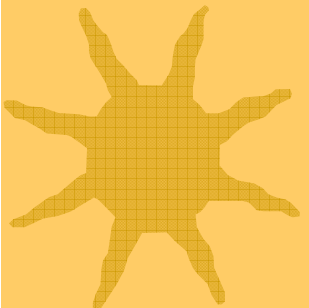
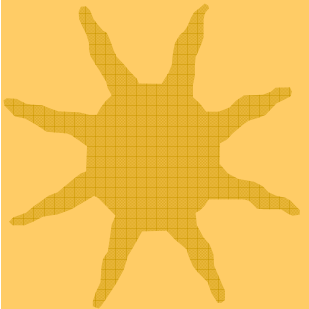
L'Eco-Color-Doppler è uno strumento diagnostico importante nella diagnosi delle lesioni mammarie in donne di età al di sotto dei 40 anni.



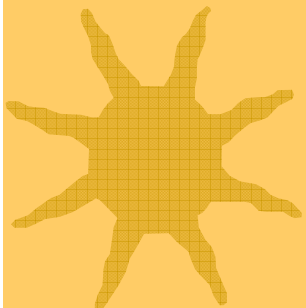
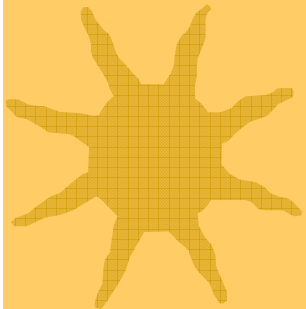
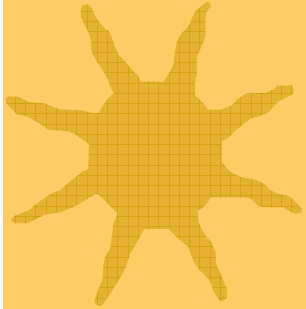
Nelle donne che superano i 40 anni l'Eco-Color-Doppler rappresenta un importante supporto di indagine e contribuisce ad evidenziare nuovi casi di cancro mammari sfuggiti alla Mammografia.



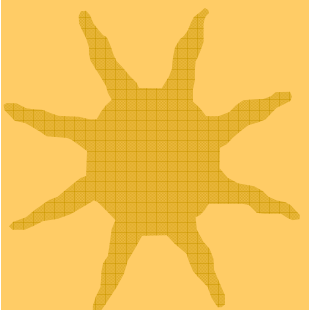
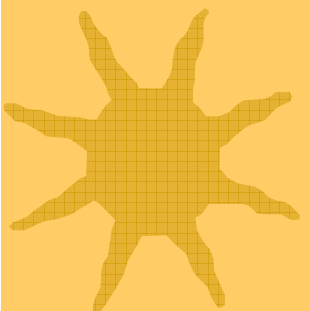
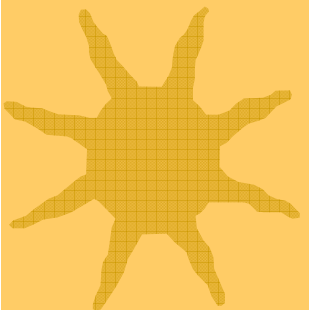
Gli ultrasuoni, talvolta, presentano una capacità diagnostica limitata nel differenziare una lesione solida benigna e maligna.



L'Eco-Color-Doppler è indicato nella diagnosi differenziale tra nodo benigno e maligno e nella diagnosi differenziale tra fibrosi e recidiva.

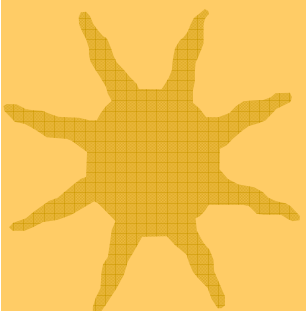
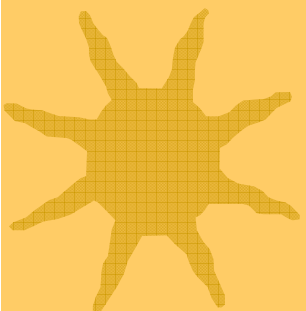
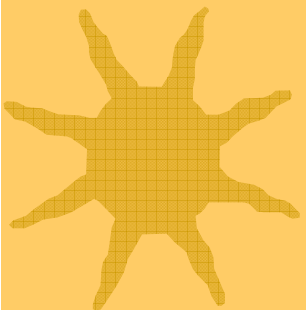


Le neoplasie al quadro Eco-Color-Doppler possono presentarsi con una vascolarizzazione intra e/o perilesionale.

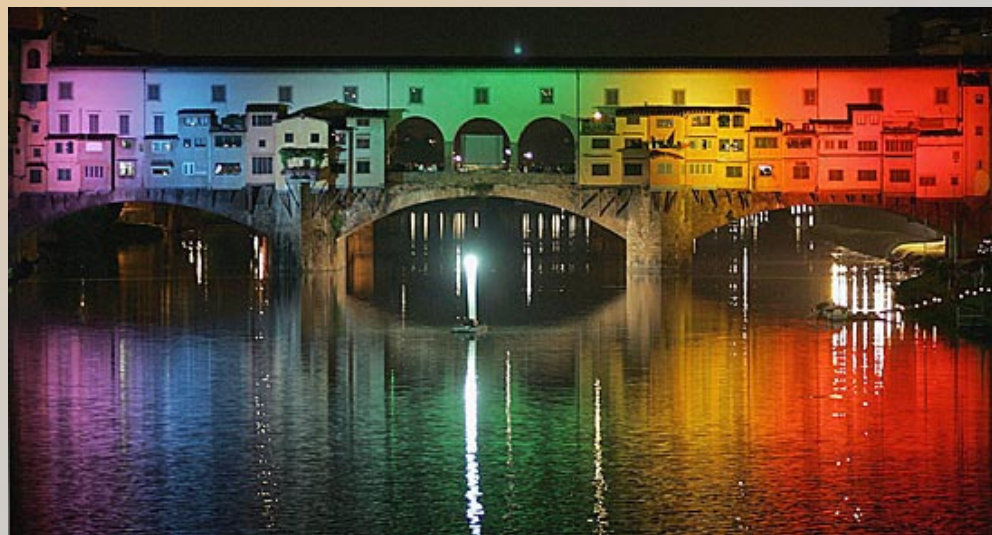


I vasi presentano un decorso irregolare e tortuoso: flusso bidirezionale.





L'impiego del mezzo di contrasto consente l'accentuazione dei segnali doppler.



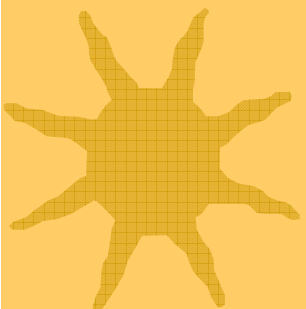
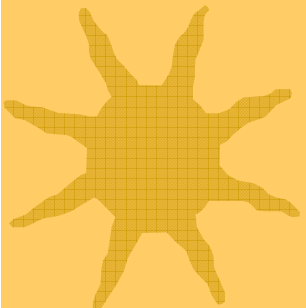
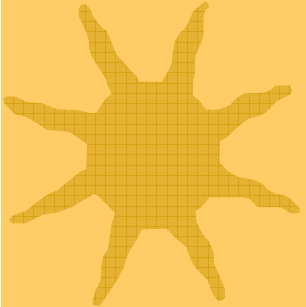
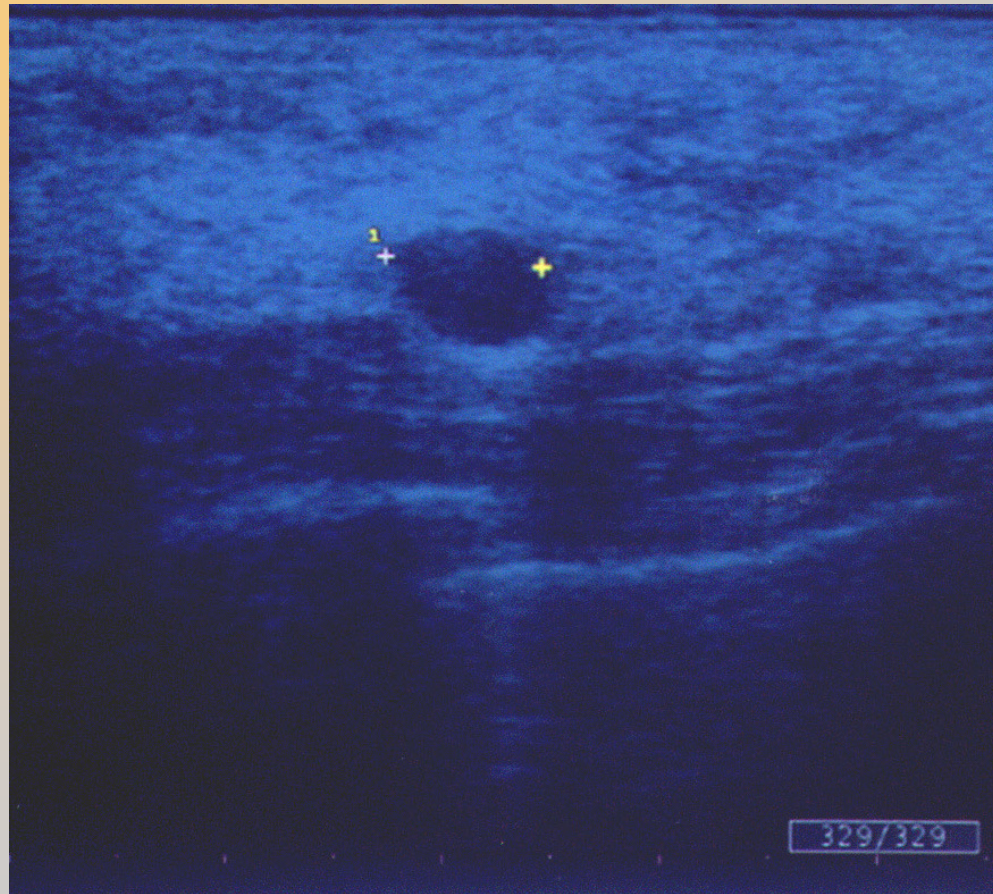
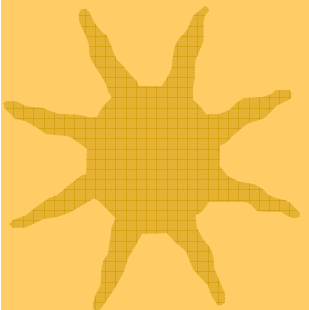
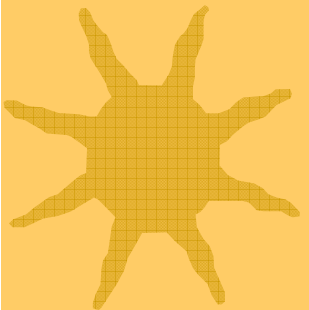
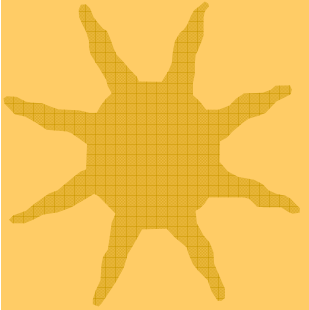
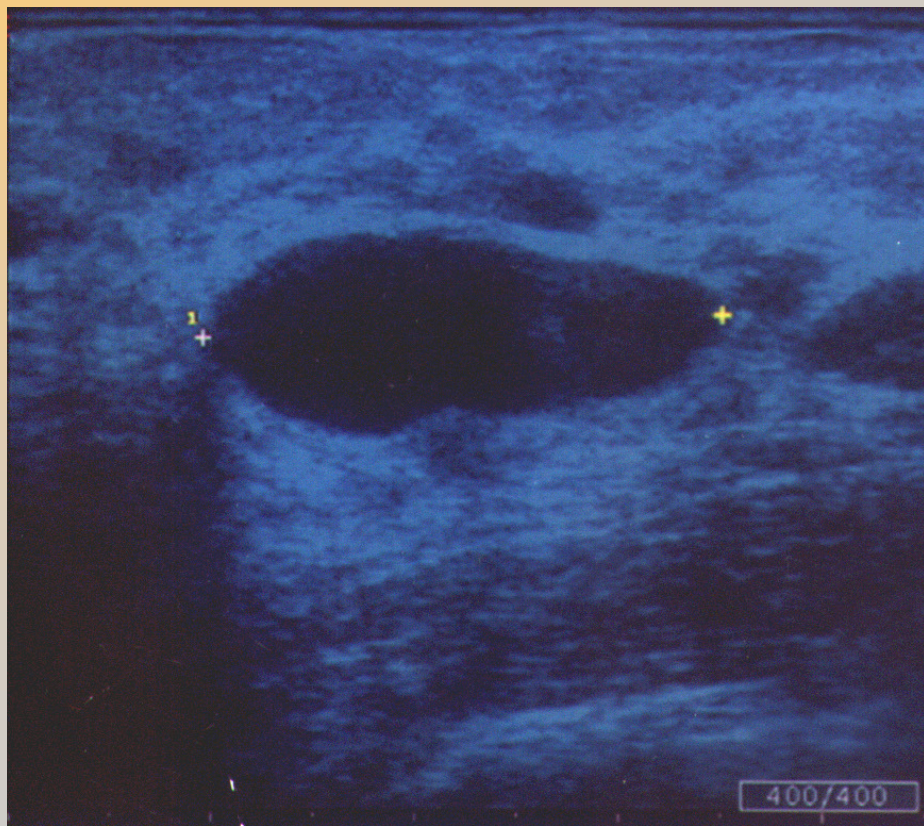
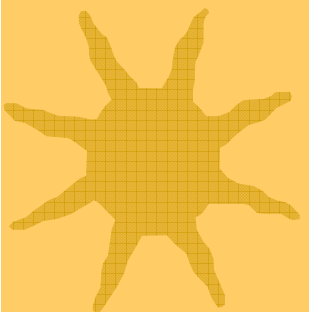
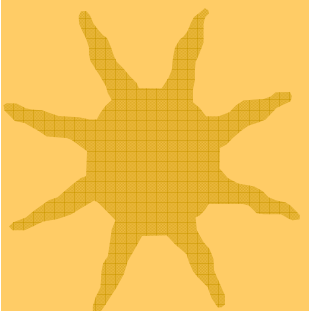
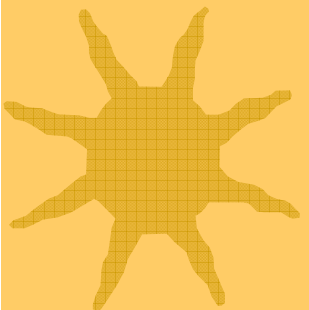
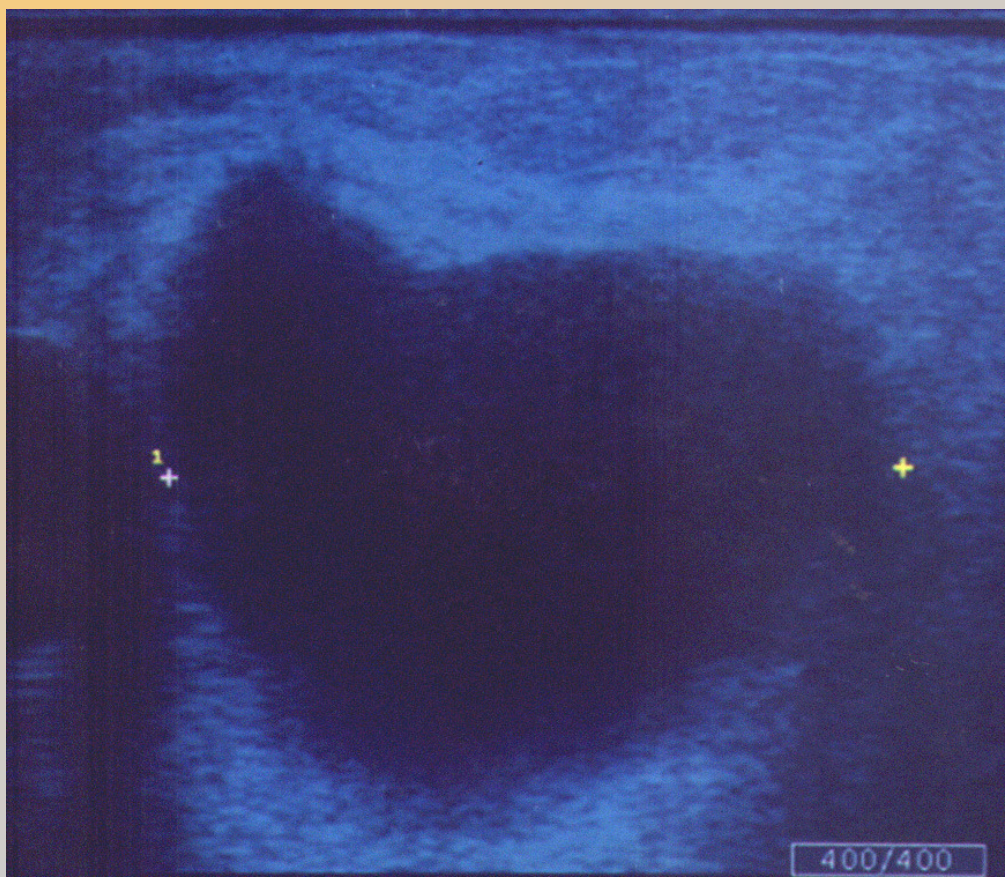
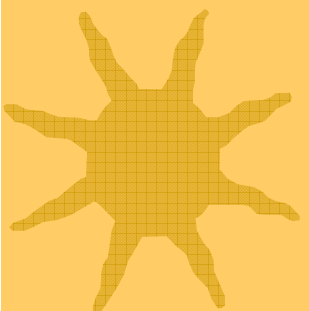
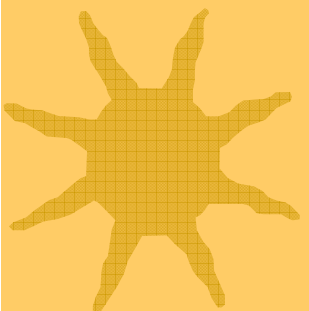
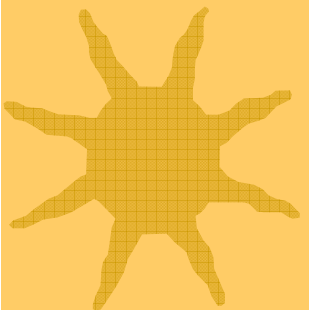


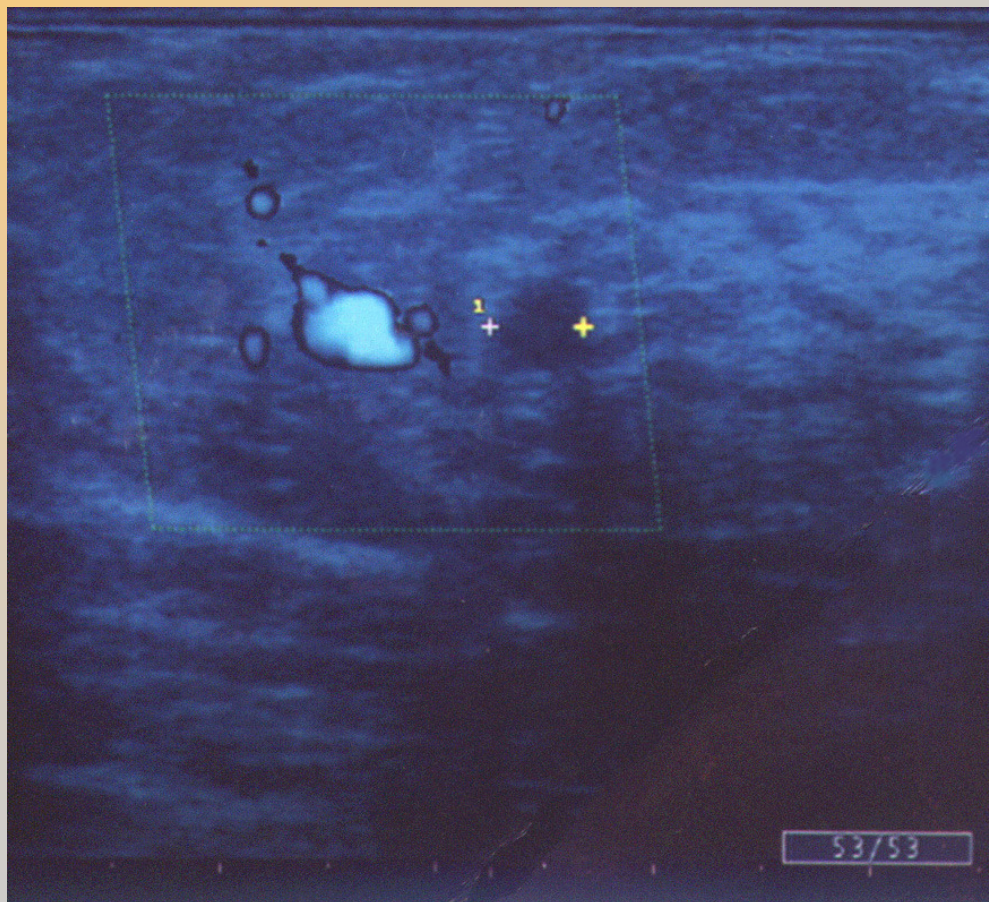
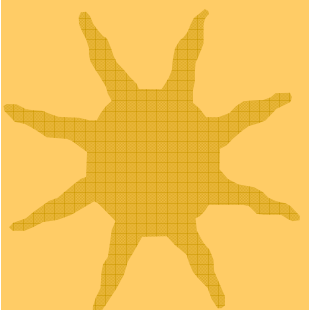
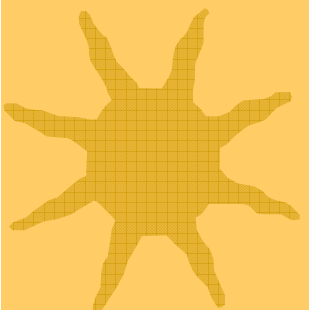
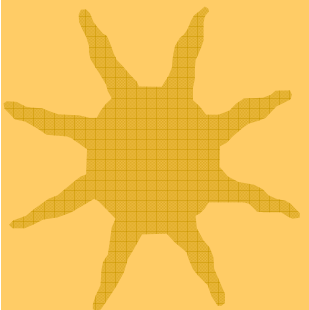
Tabella II - Caratteristiche color-Doppler delle lesioni mammarie.

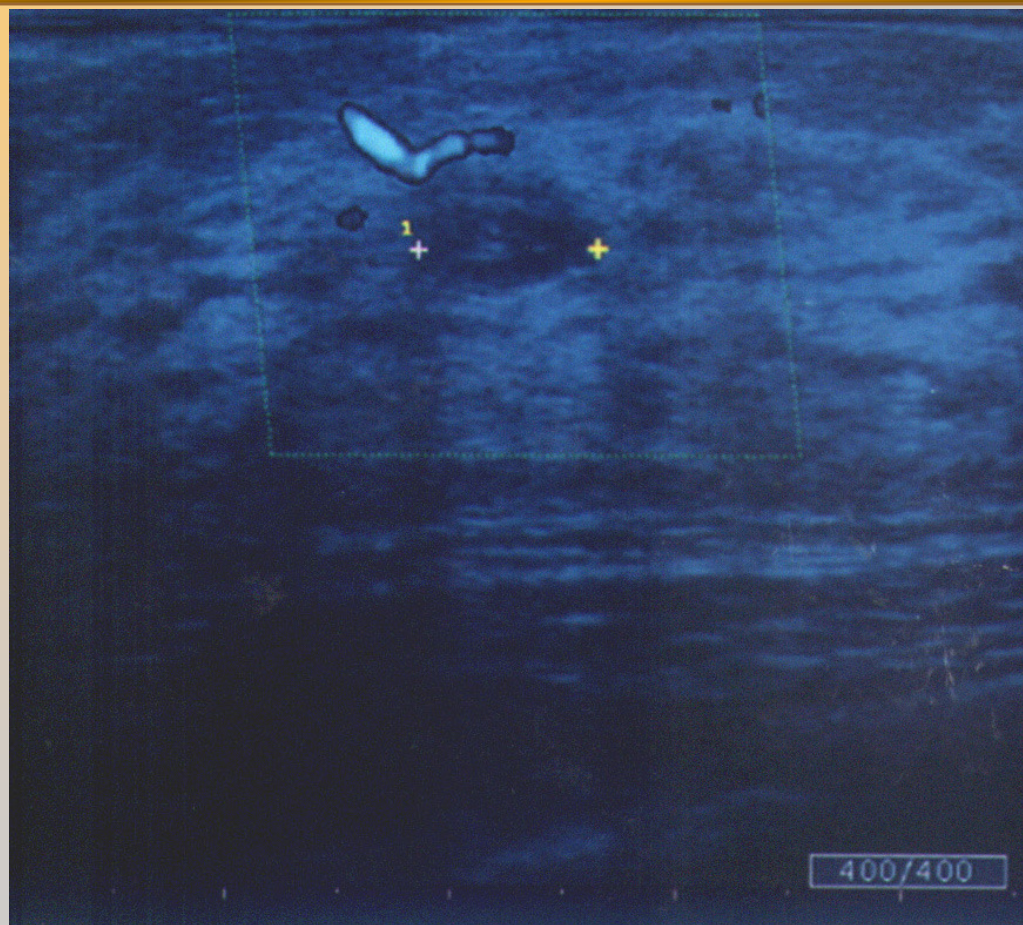
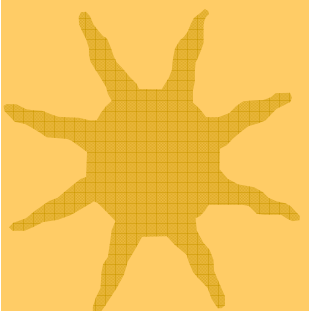
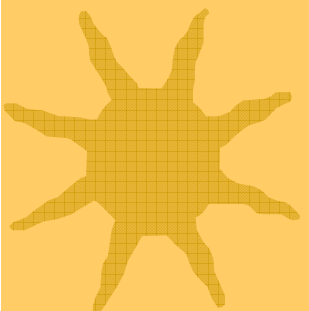
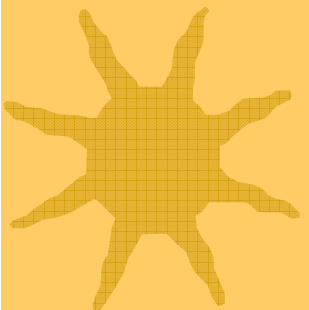
Cisti	Assenza di segnali intralesionali; assenza o presenza di segnali perilesionali (vasi compressi o dislocati)
Cisti corpuscolate	Presenza di segnali intralesionali
Fibroadenoma	Assenza di segnali Presenza di un polo vascolare Vasi di piccole dimensioni a decorso regolare
Fibroadenolipoma	Assenza di segnali
Ascesso	Ricca vascolarizzazione perilesionale, con assenza di segnali intralesionali
Ematoma	Assenza di segnali
Mastite plasmacellulare	Assenza di segnali Presenza di segnali sia intra- che perilesionali
Adenosi sclerosante	Presenza di numerosi segnali intra- e perilesionali
Neoplasia	Presenza di più poli vascolari Vascolarizzazione intralesionale, con vasi a decorso irregolare e tortuoso, flusso bidirezionale
Microcalcificazioni displasiche	Assenza di segnali
Microcalcificazioni neoplastiche	Assenza di segnali Presenza di segnali a livello del substrato tissutale
Linfonodi ascellari indenni da lesioni	Assenza di segnali
Metastasi linfonodali	Assenza di segnali Presenza di segnali intralesionali

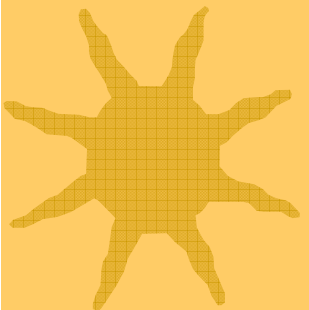
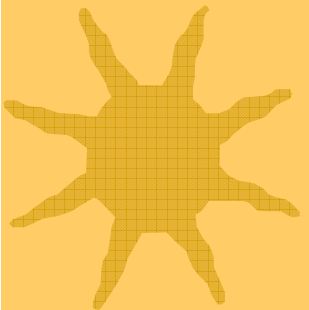
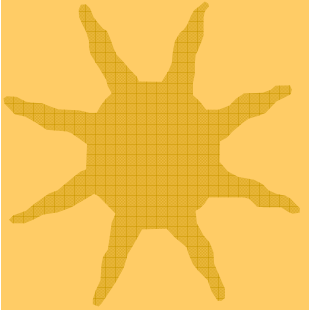


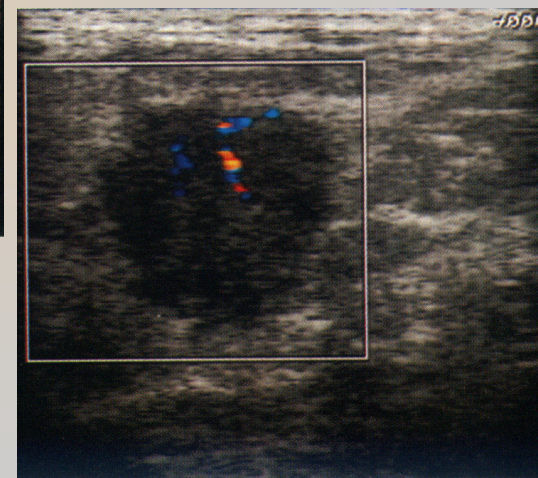
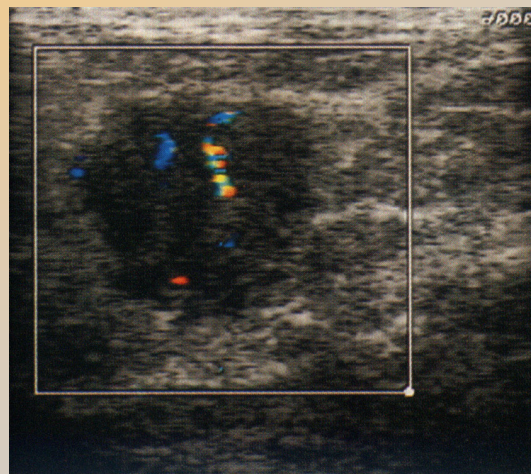
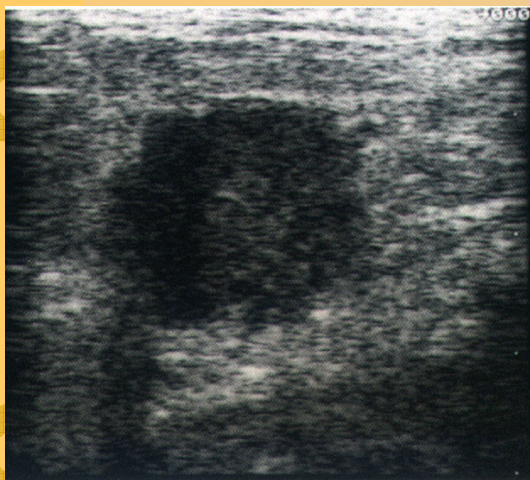
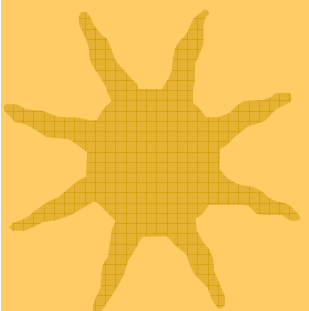
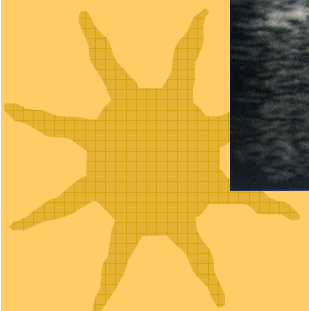
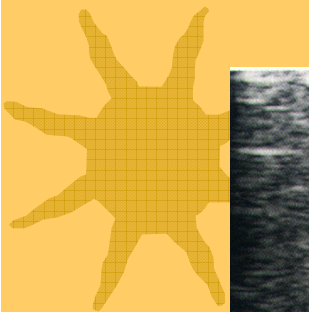


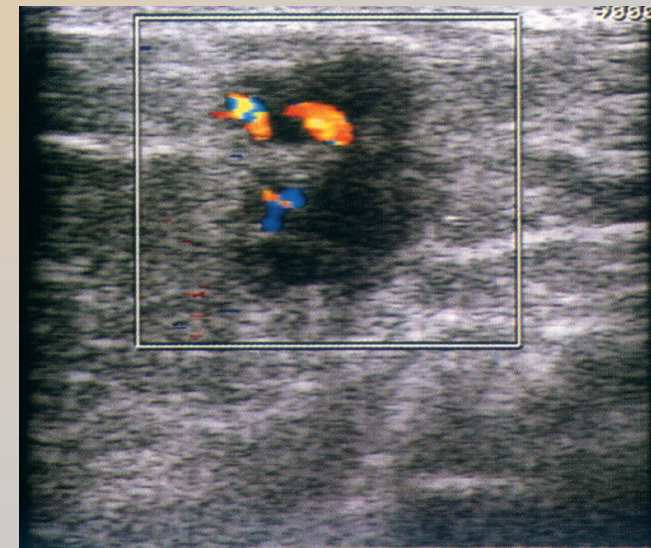
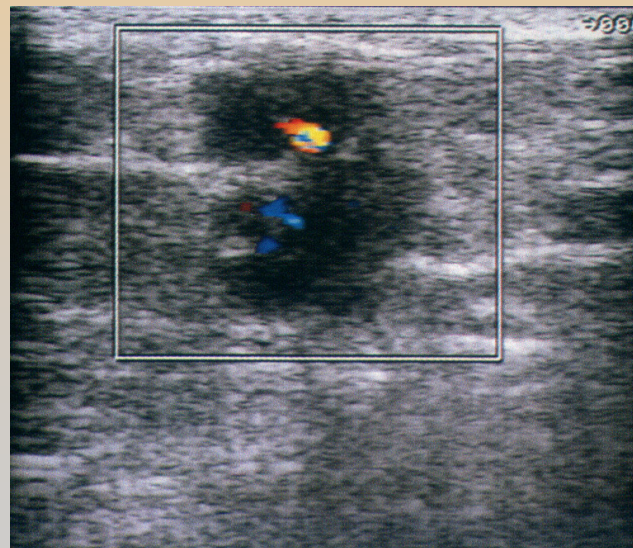
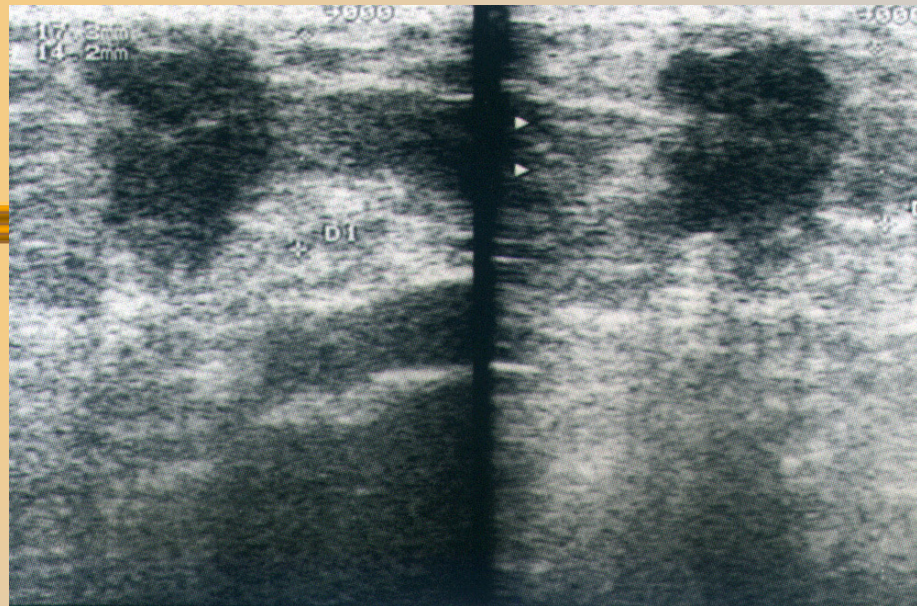
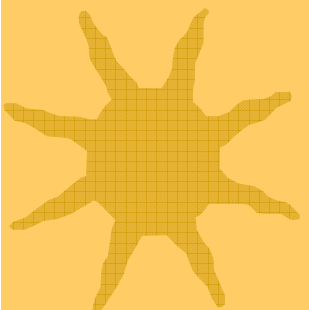
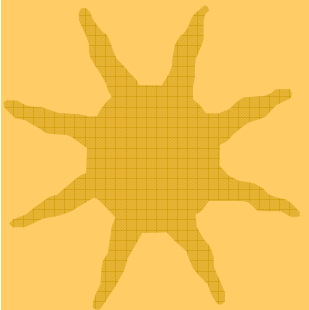
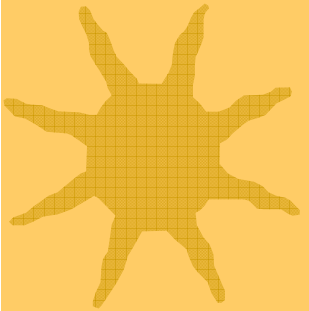


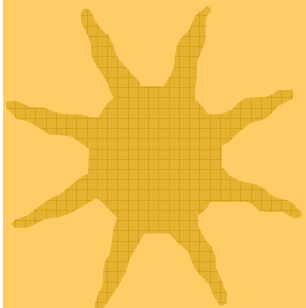
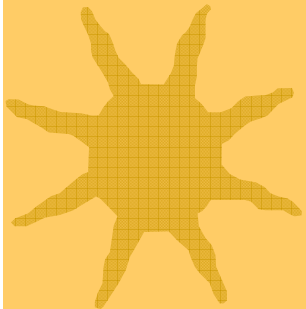
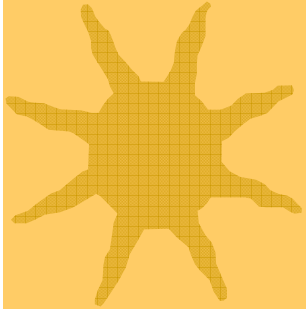




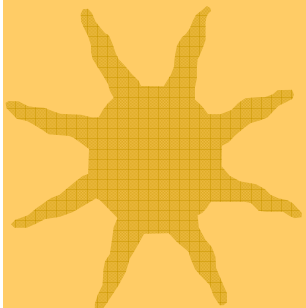
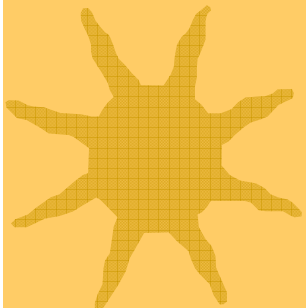
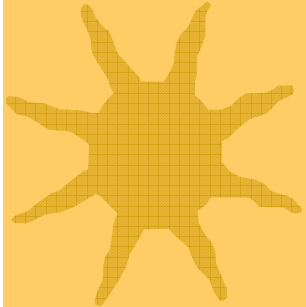




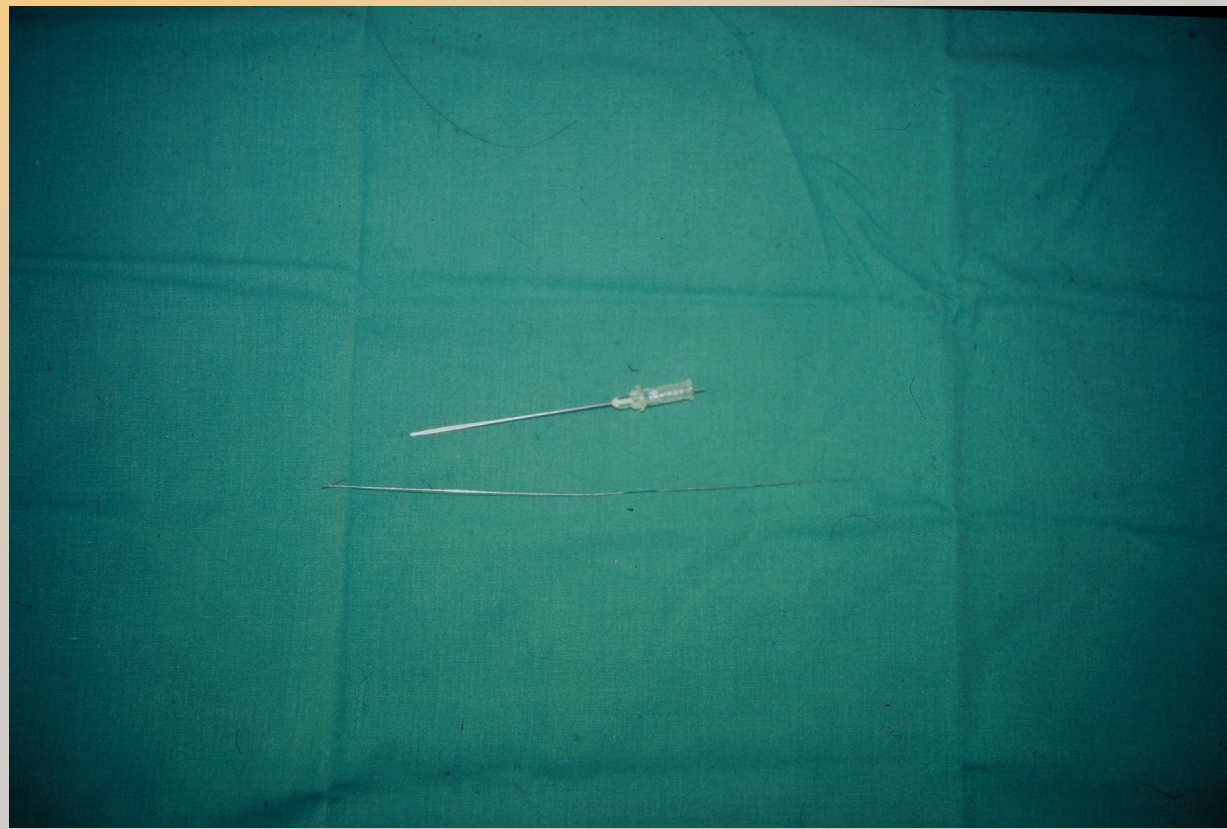
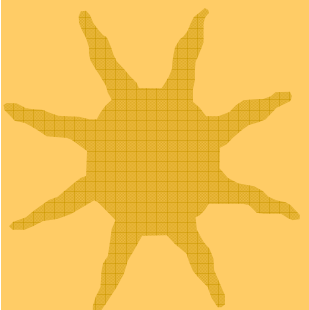
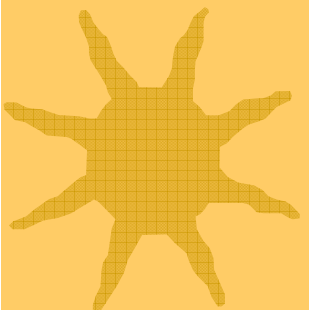
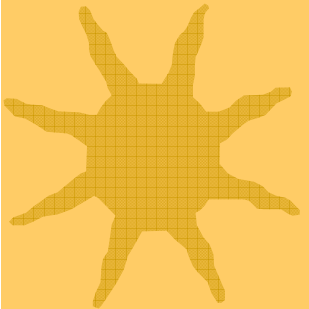


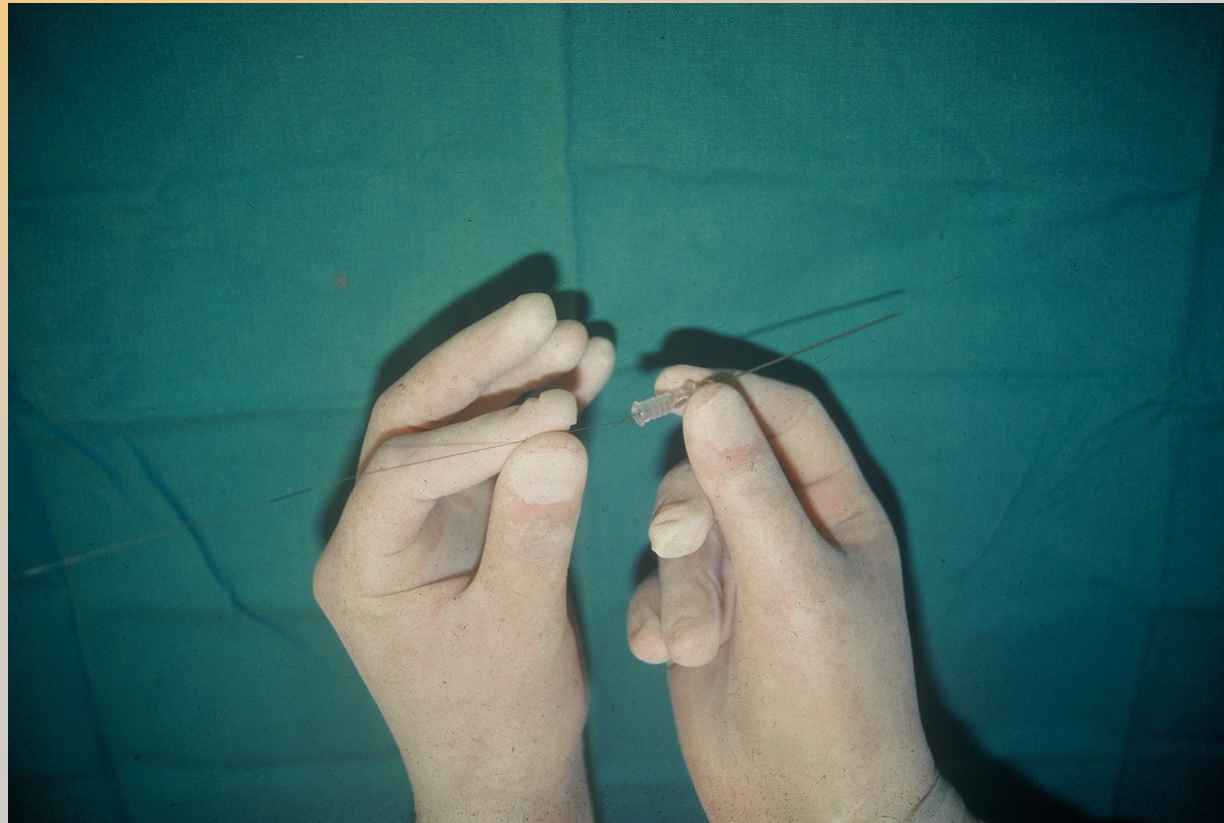
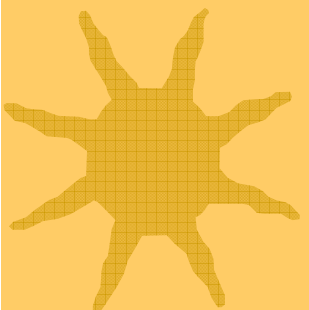
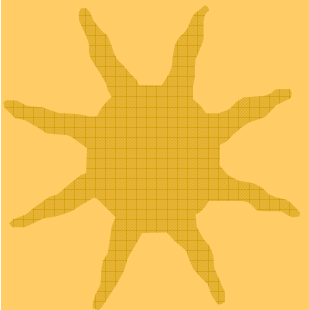
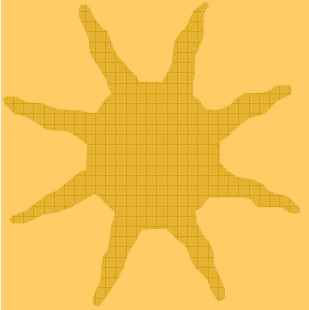


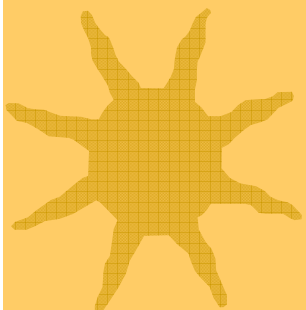
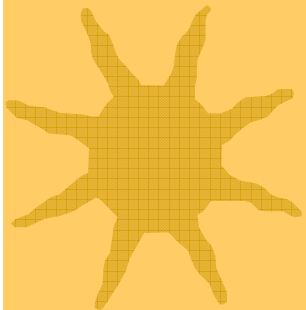
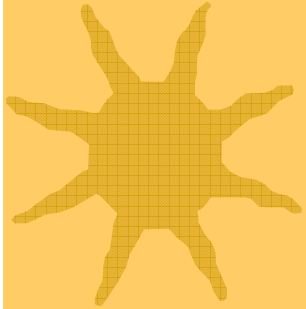
L'Eco-Color-Doppler è uno strumento diagnostico di grande beneficio al chirurgo.



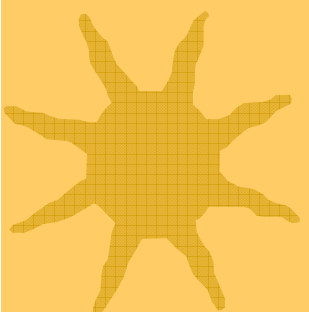
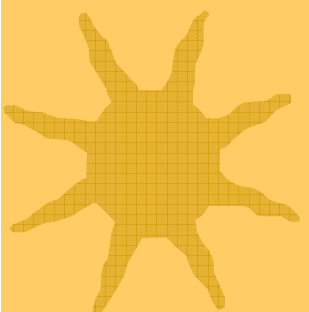
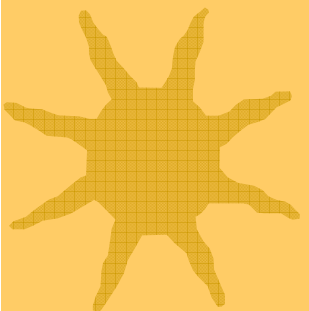
L'Eco-Color-Doppler è indicato come guida alle manovre interventistiche (posizionamento repere metallico) in quanto consente di evitare le zone più vascolarizzate della lesione.

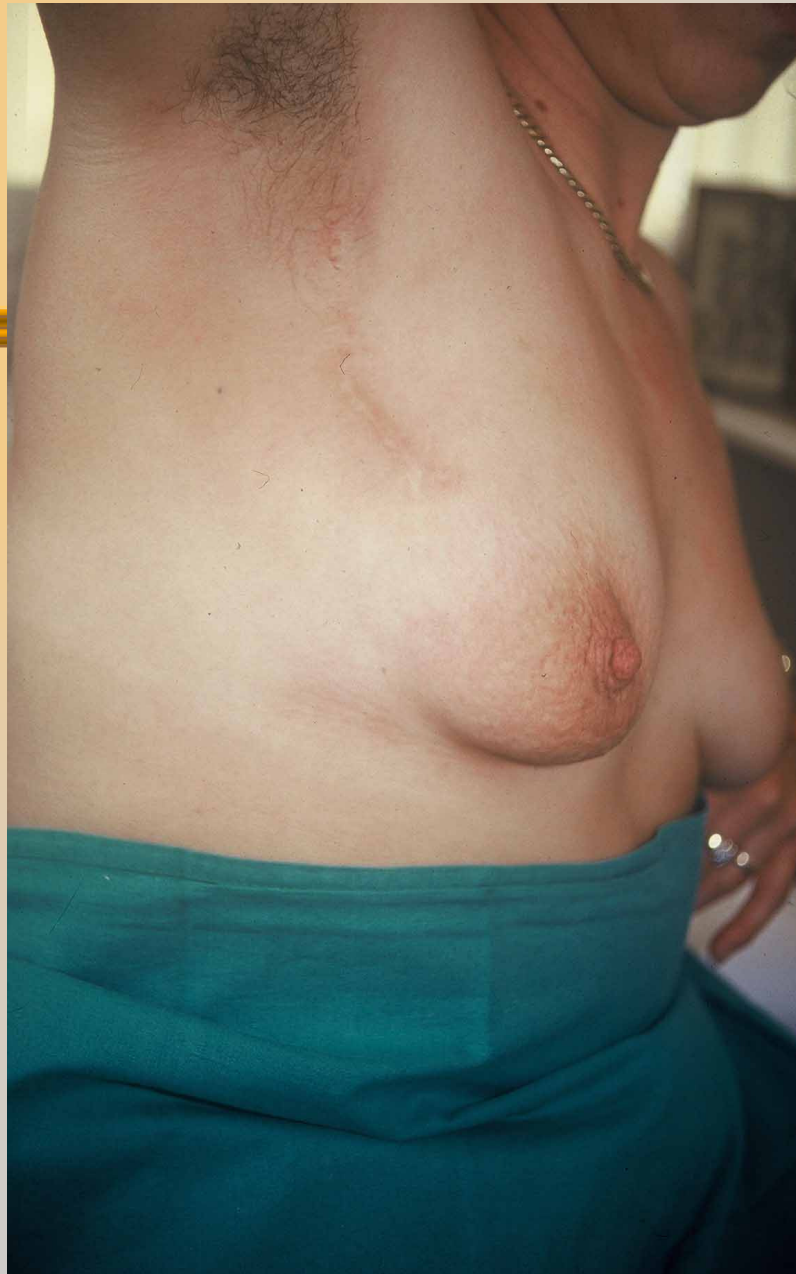
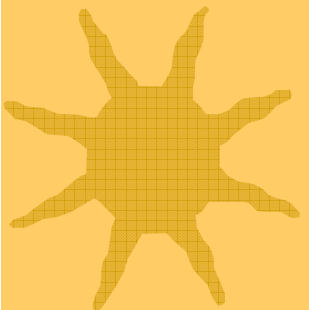
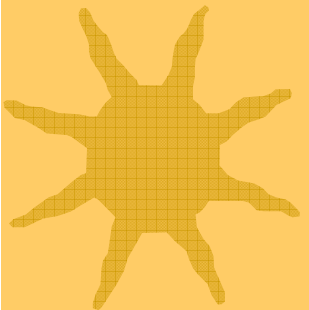
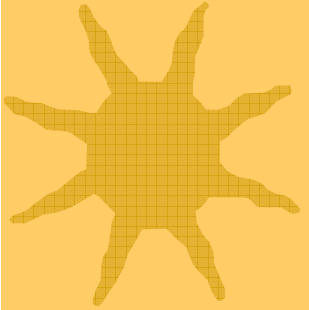


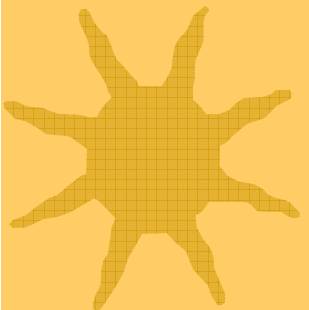
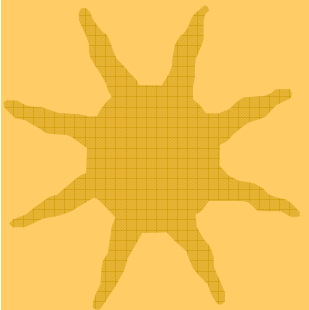
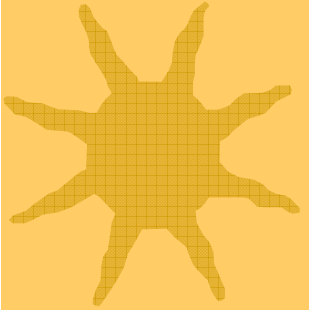


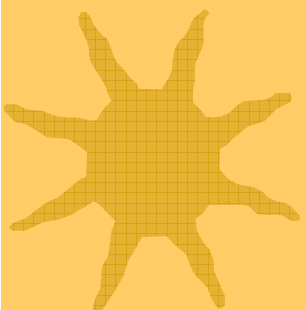
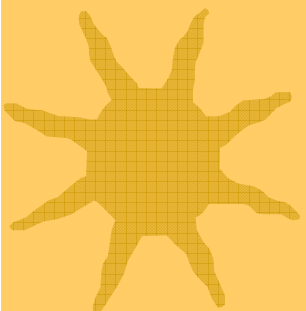
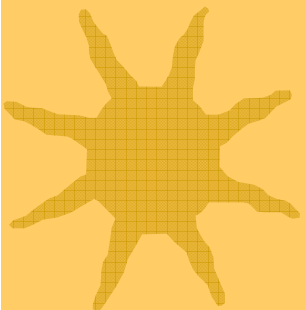


L'Eco-Color-Doppler può rivelarsi utile al chirurgo nei controlli degli interventi conservativi (segnali intralesionali)....



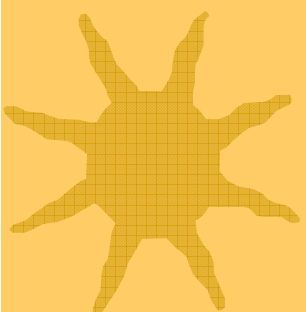
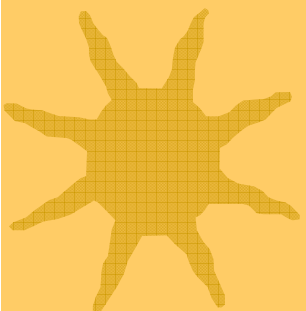
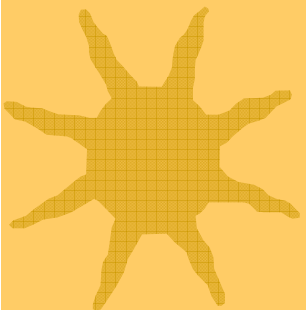




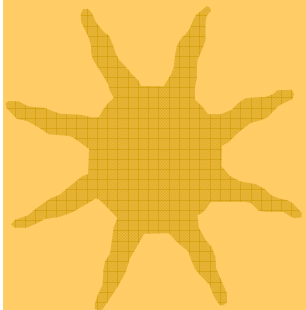
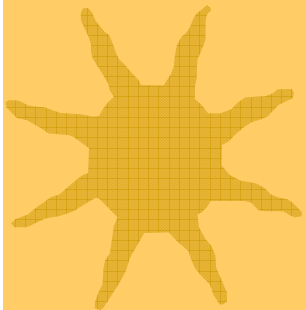
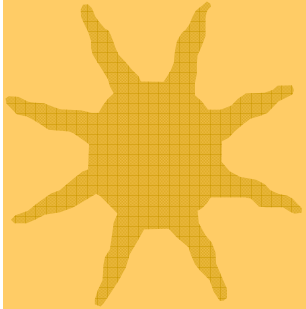


...identifica carcinomi multifocali
che l'esame mammografico o il
comune ultrasuoni diagnosticano con
difficoltà.

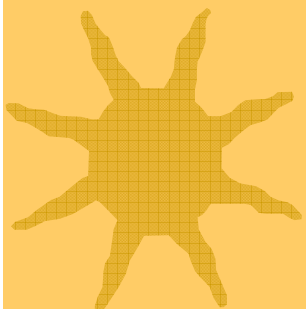
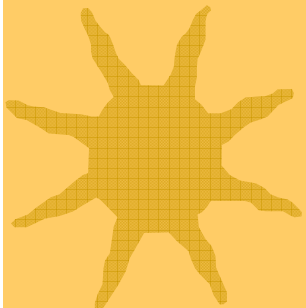
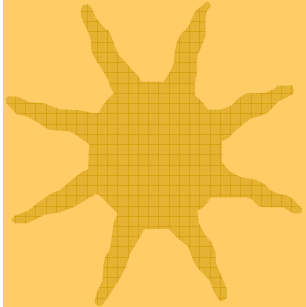




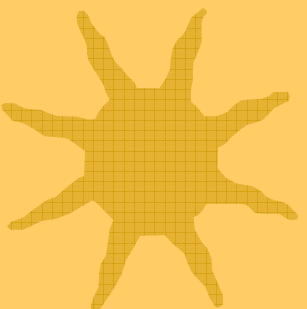
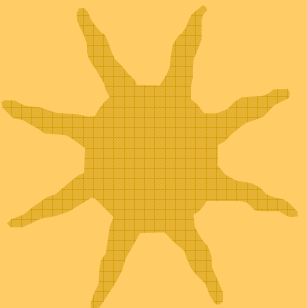
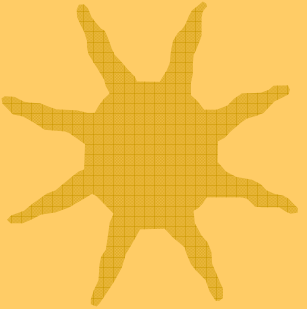
Infatti, con questa metodica si evidenzia la presenza di focolai multipli che con l'esame istologico vengono diagnosticati come carcinomi multicentro, consentendo in questo modo al chirurgo di adottare il trattamento più opportuno.



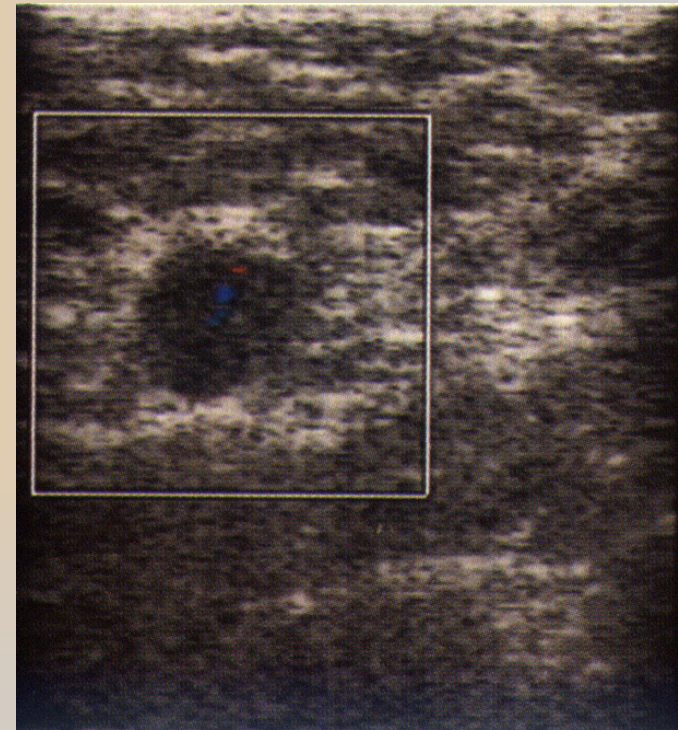
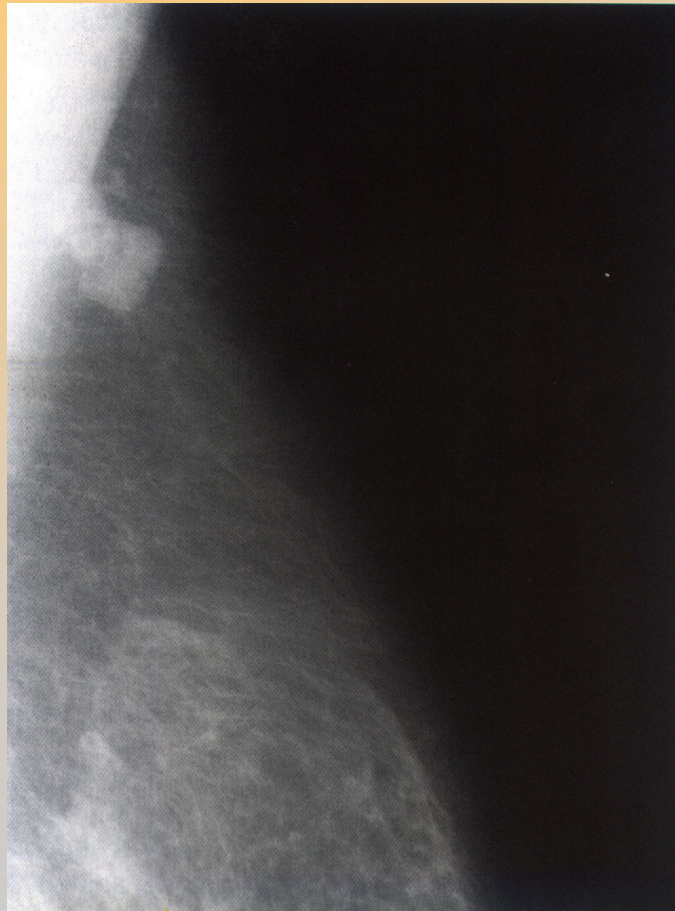
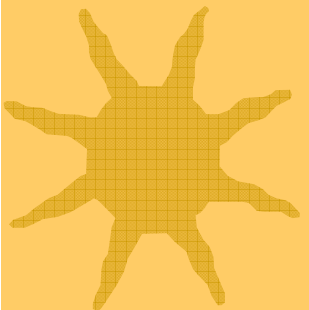
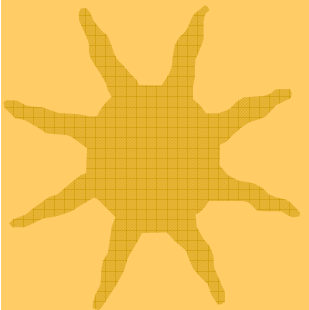
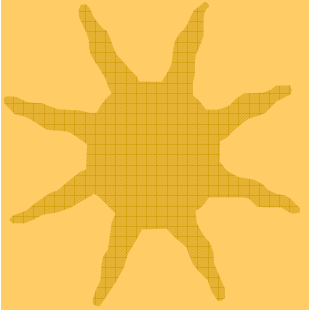
È l'esame fondamentale nel diagnosticare i linfonodi ascellari metastatici.

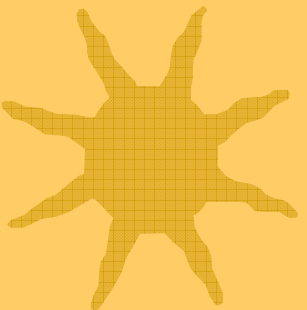
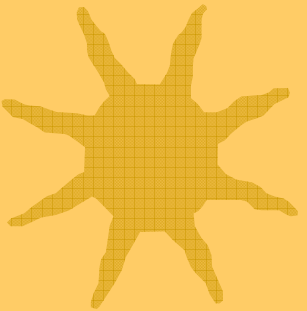
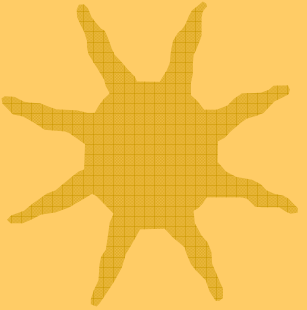


Infatti, in molti casi la presenza di ipervascolarizzazione si identifica con il referto istologico della presenza di metastasi.

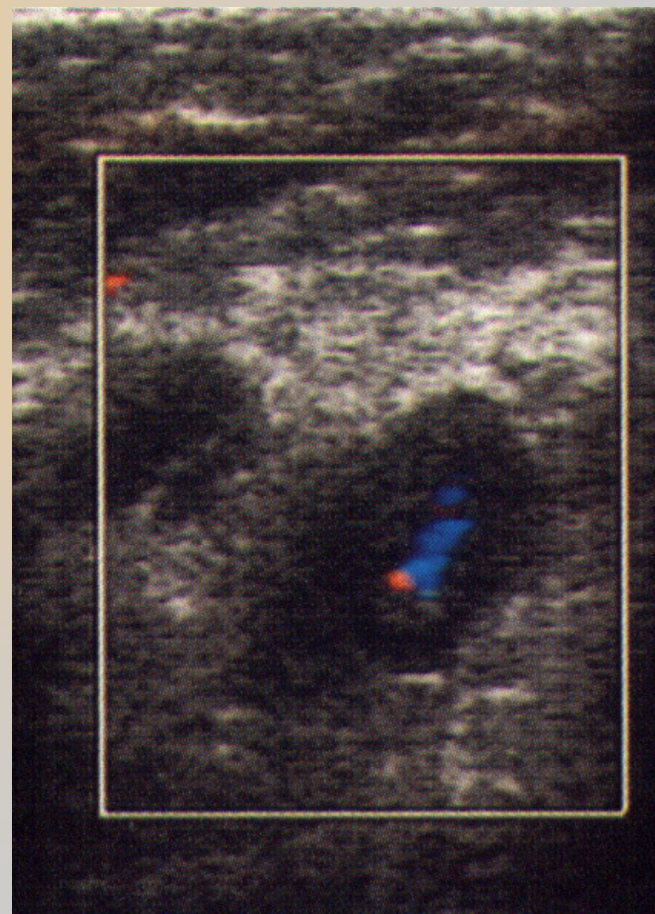
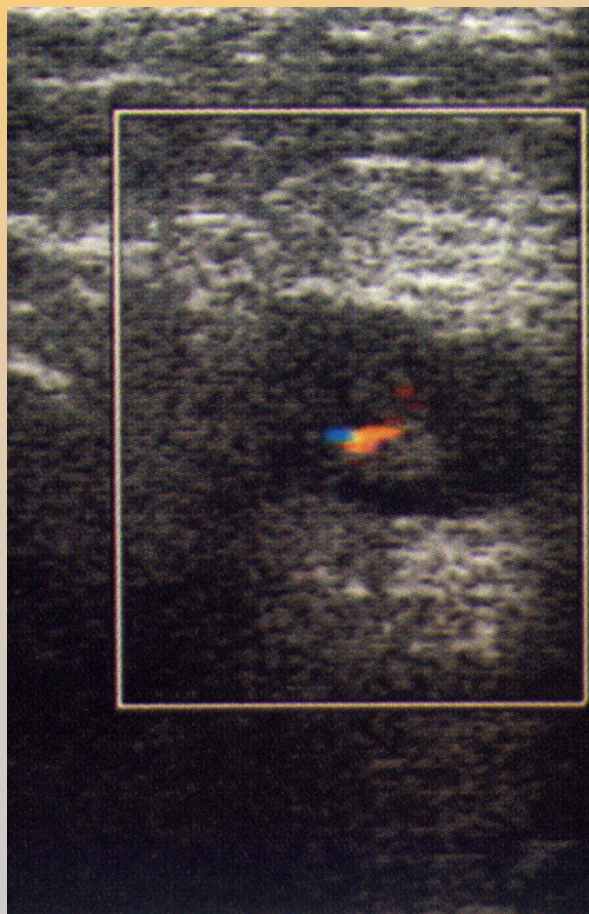
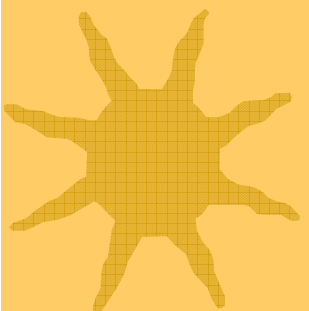
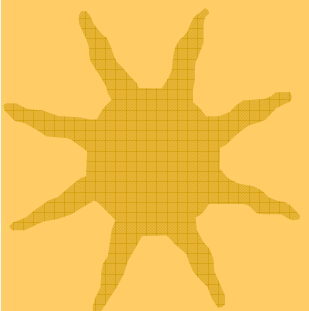
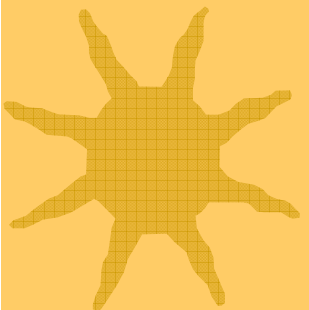


Nei linfonodi
ascellari
metastatici è
possibile rilevare
segnali
intralesionali
nell'80% dei casi.

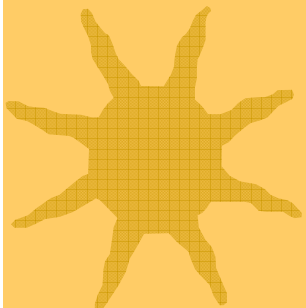
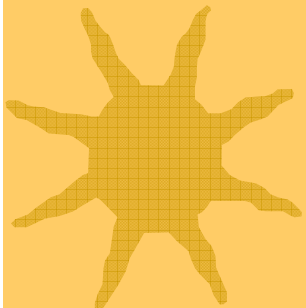
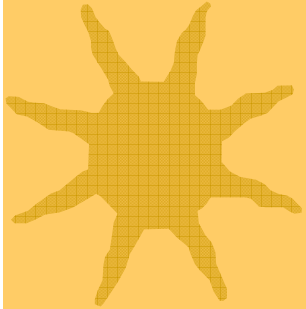




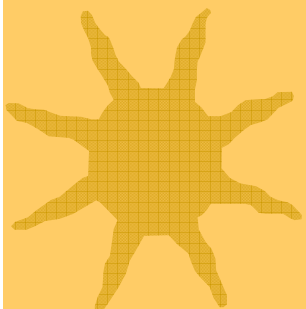
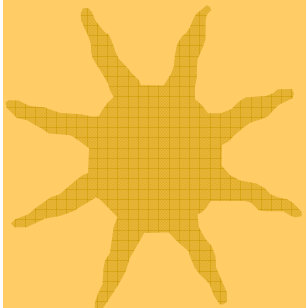
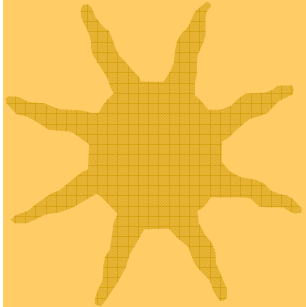
Tra le altre linfadenopatie ascellari solo le flogosi acute, tipo Masshoff, possono presentare segnali intralesionali associati a segnali perilesionali.



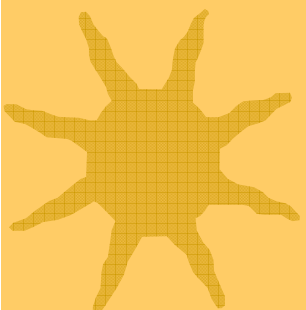
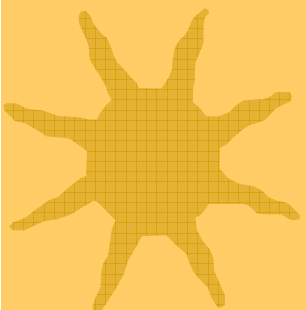
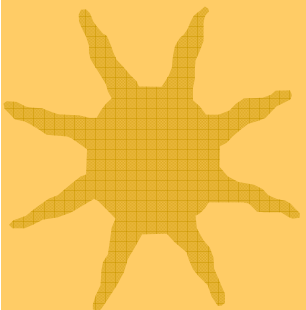
Dott. L. Rotunno - L'Eco-Color-Doppler nella chirurgia del cancro della mammella



L'Eco-Color-Doppler è indicato nel follow-up delle pazienti operate di cancro mammario con la tecnica del linfonodo sentinella laddove lo svuotamento ascellare non sia stato effettuato....

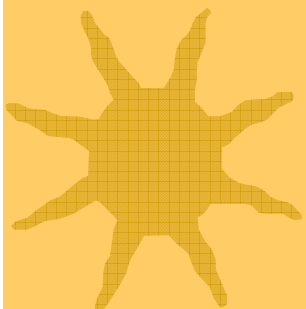
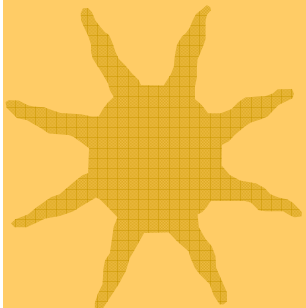
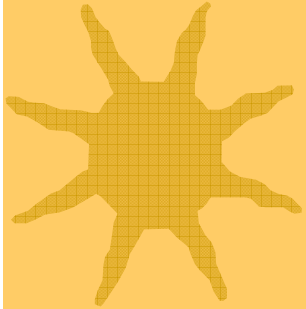


... per evidenziare la presenza di possibili ipervascolarizzazioni dei linfonodi ascellari metastatici.



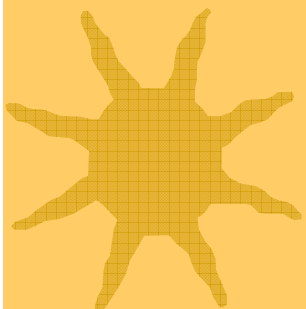
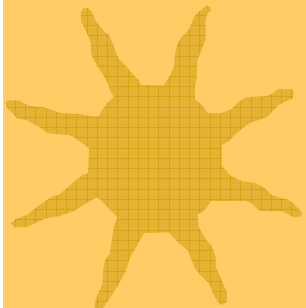
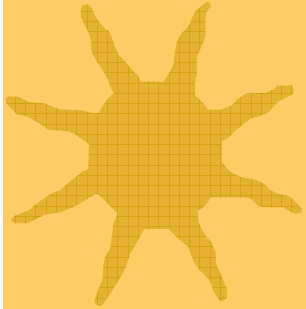
L'utilizzo dell'Eco-Color-Doppler da parte del chirurgo non deve creare conflitti con il radiologo.





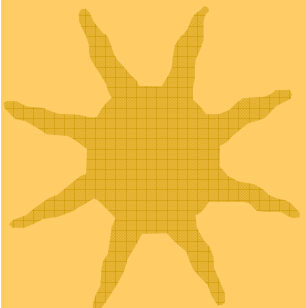
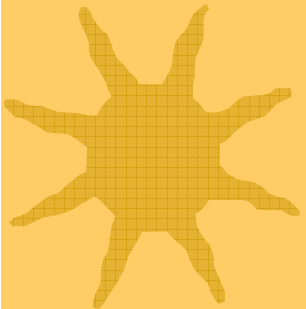
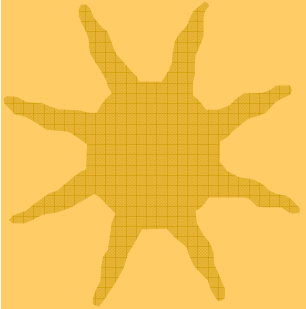
Sarebbe opportuno
che il chirurgo che
effettua l'intervento
possa seguire la
paziente con i
follow-up (l'esame
clinico + Eco-
Color-Doppler)





Durante la visita
senologica l'utilizzo
dell'Eco-Color-
Doppler è utile al
chirurgo in presenza
di un nodo per
eseguire una diagnosi
differenziale.





U.I.S.S. N.6 VICENZA
PRESIDIO OSPEDALIERO DI VICENZA

UNIVERSITÀ DEGLI STUDI DI VERONA
FACOLTÀ DI MEDICINA E CHIRURGIA

DIVISIONE DI CHIRURGIA GENERALE I°
DIRETTORE PROF. F. DALL' ANTONIA

AMBULATORIO SENOLOGICO

(Dott. Rotunno Luca)

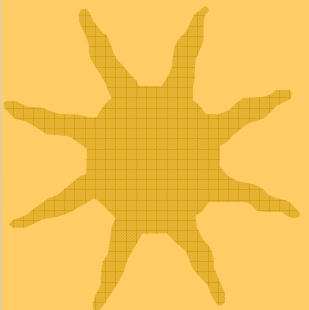
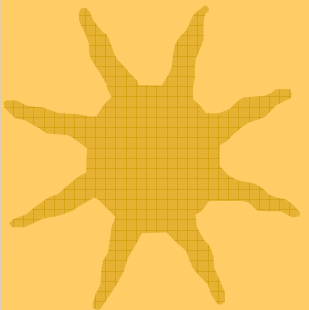
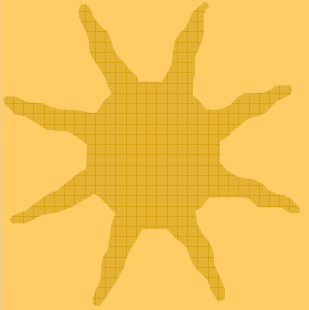
Sig.ra _____

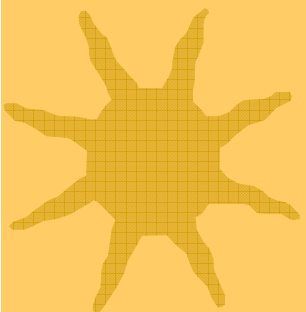
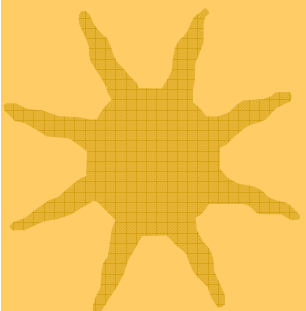
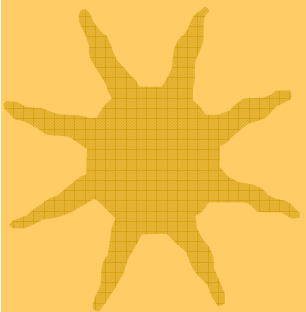
Nata il _____

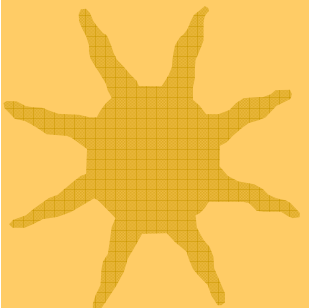
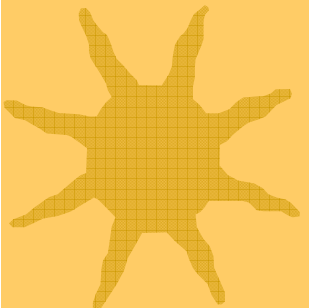
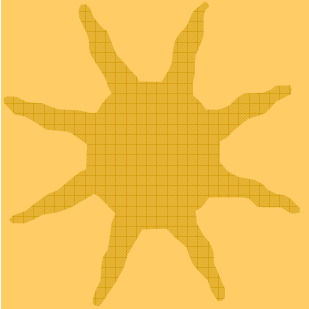
Residente a _____

Via _____ Tel. _____

N.° Tessera sanitaria _____





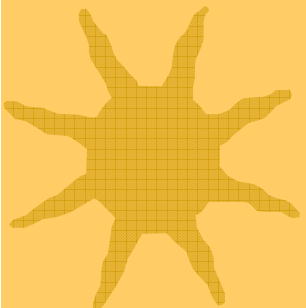
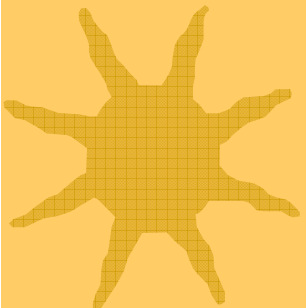
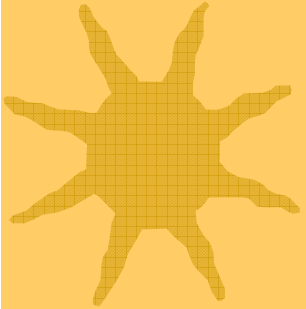


Casistica personale **INTERVENTI CONSERVATIVI**



Rx Mammografia
Assenza lesione

Eco-Color-Doppler
Presenza di recidiva

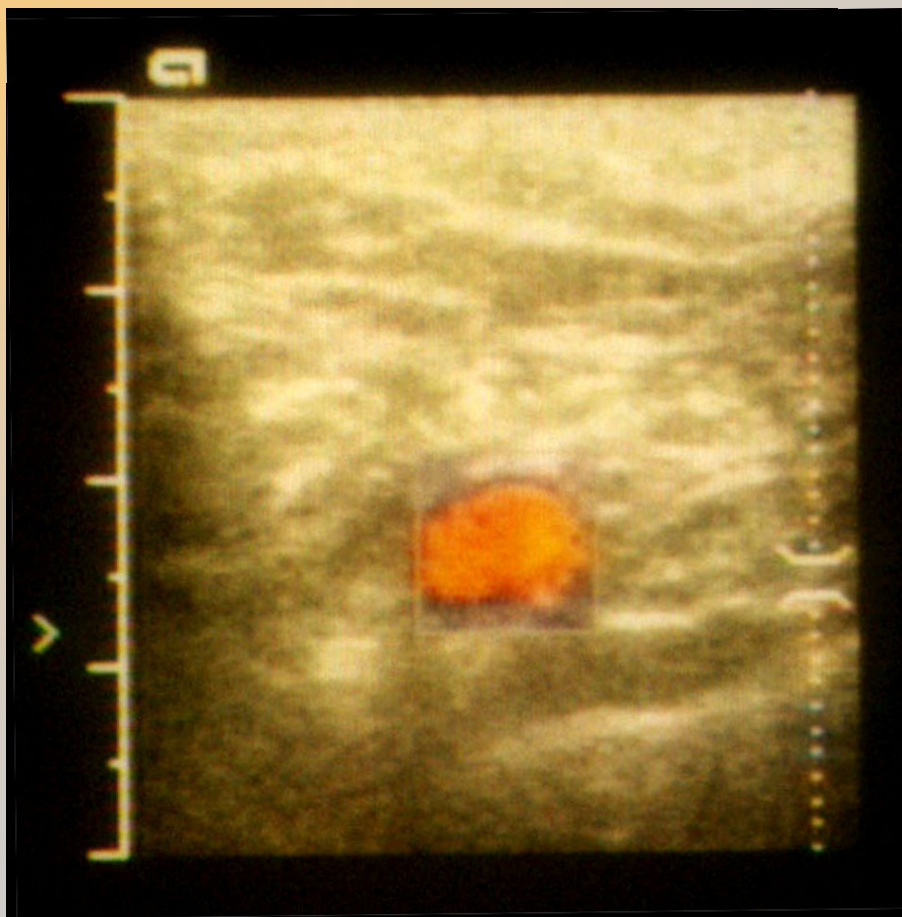
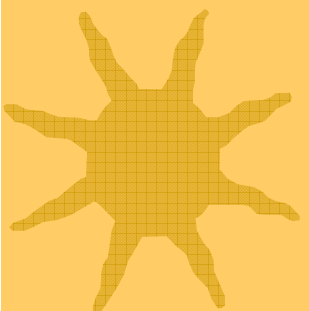
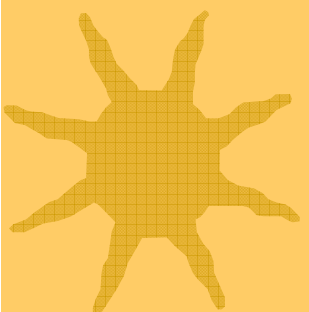
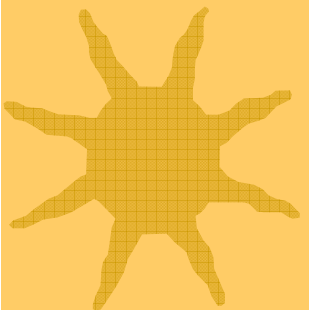


Casistica personale
**INTERVENTI CON LA TECNICA DEL
LINFONODO SENTINELLA**



Rx Mammografia
Assenza metastasi

Eco-Color-Doppler
Presenza di ipervascolarizzazione





Anni 1992 – 2005
Ambulatorio Senologico – Chirurgia Generale 1
Ospedale di Vicenza

Esami eseguiti (Esame clinico + Eco-Color-Doppler)

13.260 circa

Rx Mammografia
*Assenza lesione
neoplastica*

Eco-Color-Doppler
*Presenza di lesione
neoplastica*

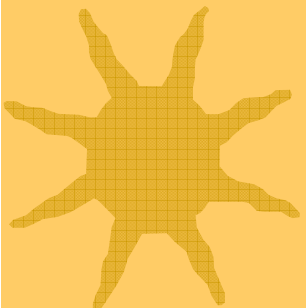
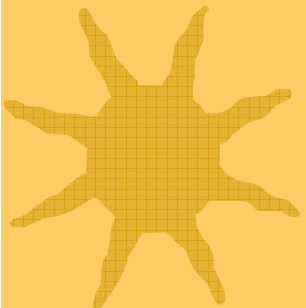
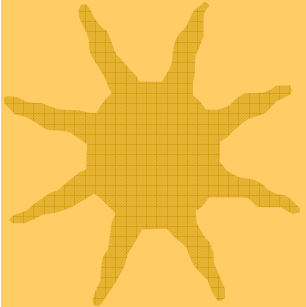
↓
26

Rx Mammografia
*Assenza di lesione
neoplastica*

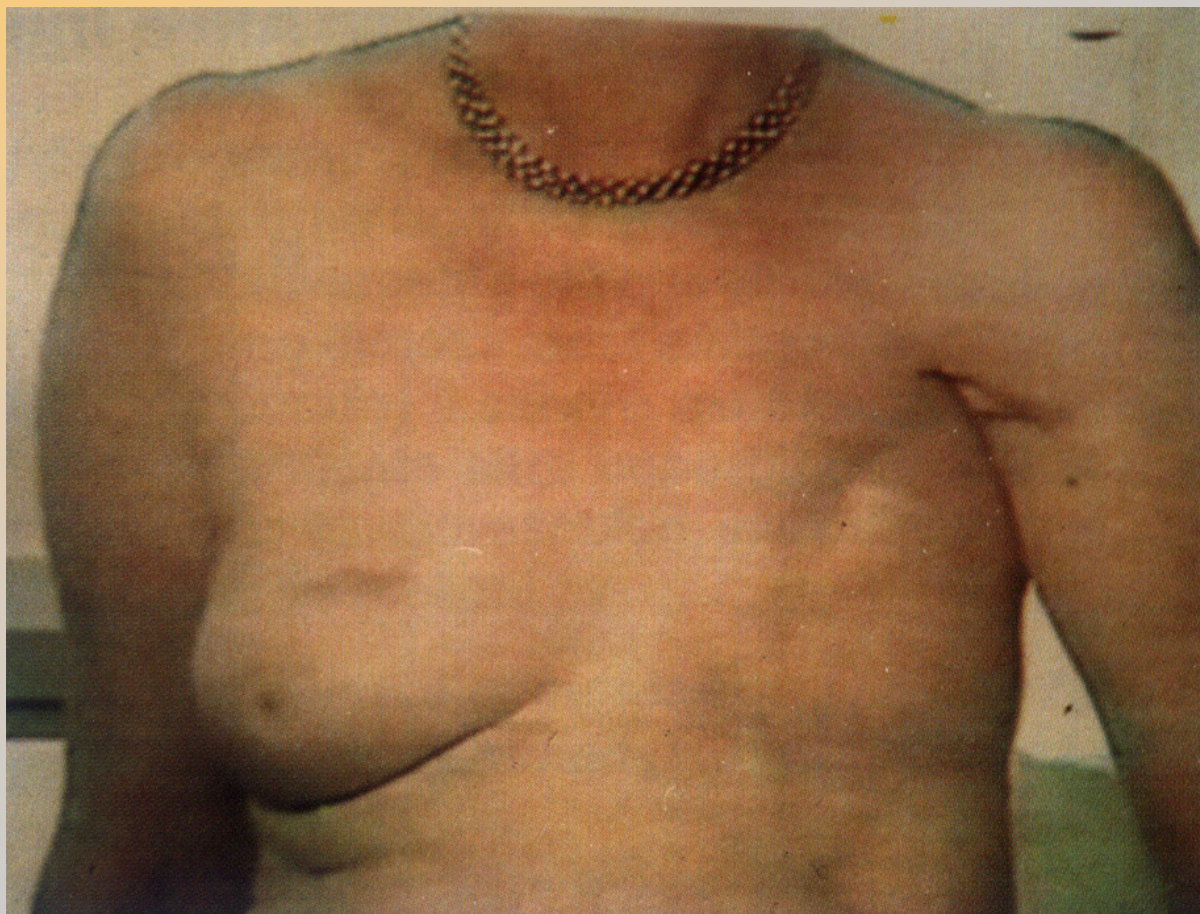
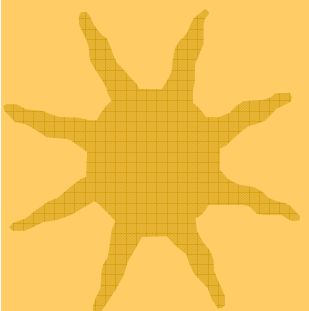
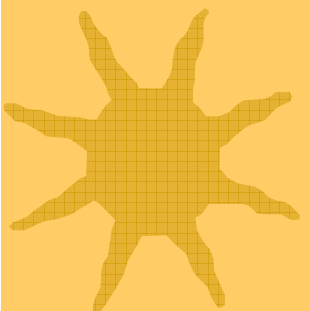
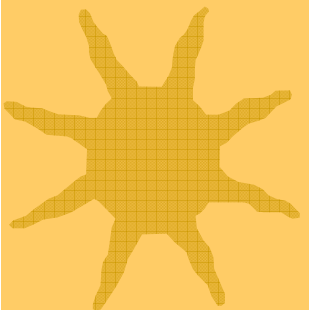
Ecografia
*Assenza di lesione
neoplastica*

Eco-Color-Doppler
*Presenza di lesione
neoplastica (segni di
vascolarizzazione)*

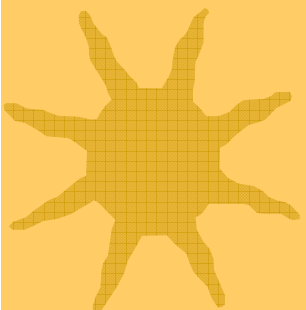
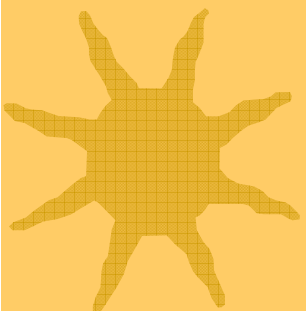
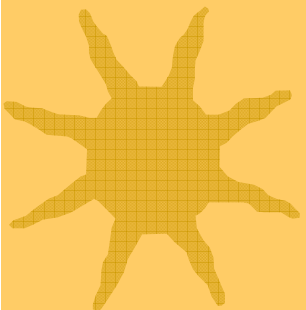
↓
8



L'Eco-Color-Doppler è una tecnica non invasiva e rappresenta una nuova tappa nello studio della patologia mammaria.



Dott. L. Rotunno - L'Eco-Color-Doppler nella chirurgia del cancro della mammella



Le novità, i progressi che la scienza medica, ed anche la senologia, ci stanno offrendo sono molti, dipende da noi saperli accogliere e sfruttare al meglio affinché anche le generazioni future possano godere dei profitti di tanti anni di ricerca.



Ogni donna ha diritto di esistere con serenità

