Principles and Applications in Breast Imaging

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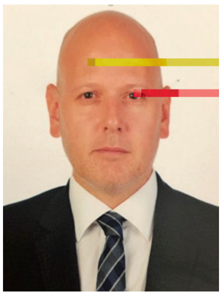
Hakki Muammer KARAKAS



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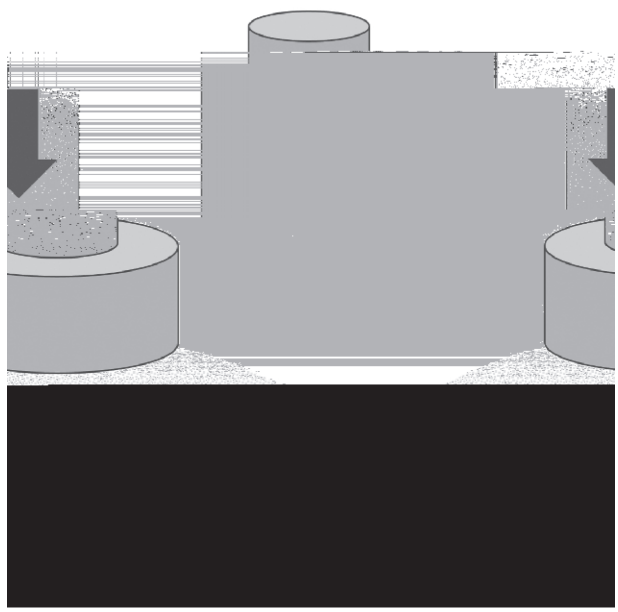
Summary

Introduction

[illegible]

US Elastography Technique

[illegible]



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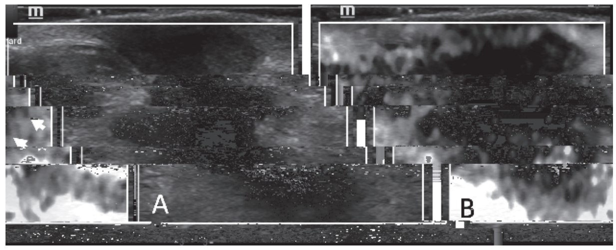
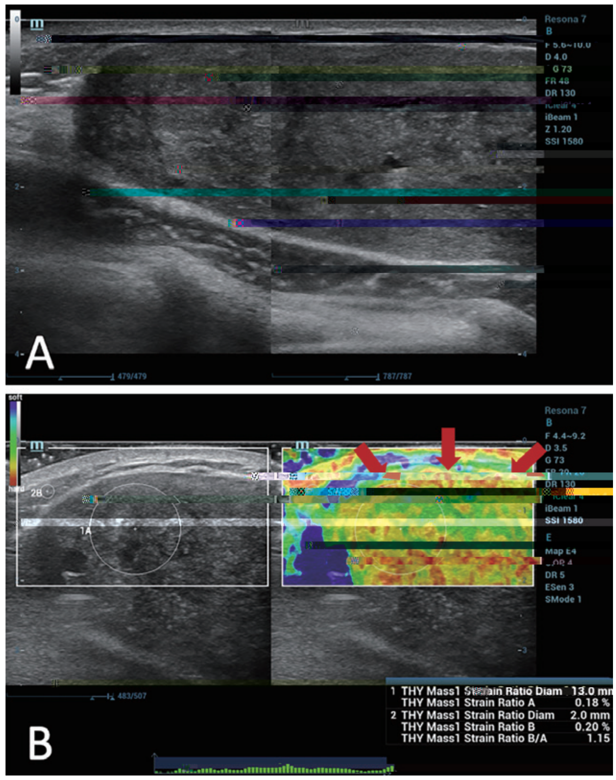
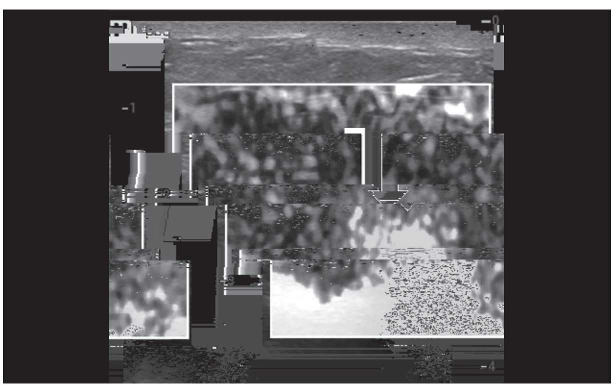




Practical applications of strain elastography

A. White shadowing:

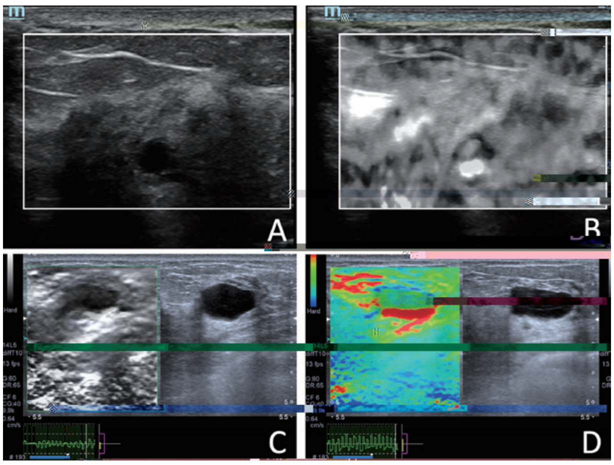
B. Breast conserving surgery (BCS):

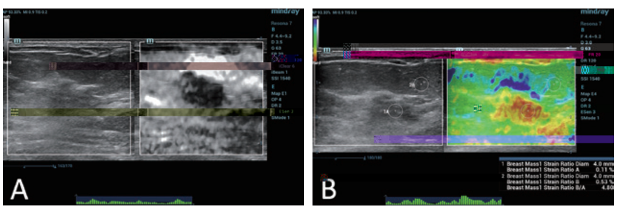


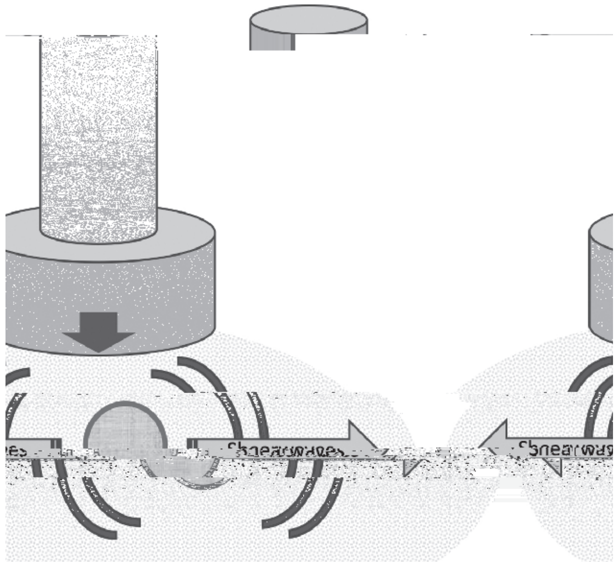
C. Diagnosing phyllodes tumor:

D. Diagnosing cysts:

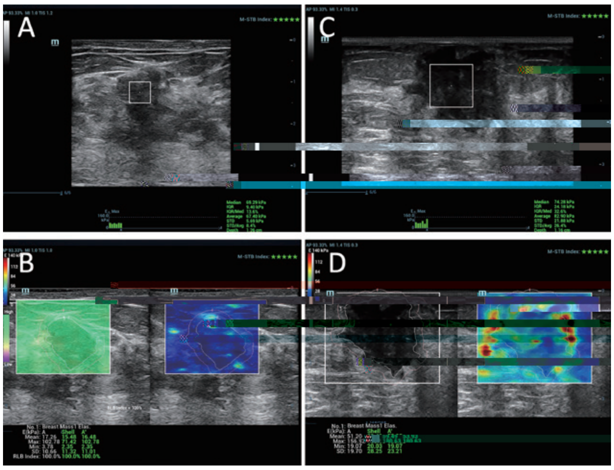
E. Diagnosing non-mass abnormalities:

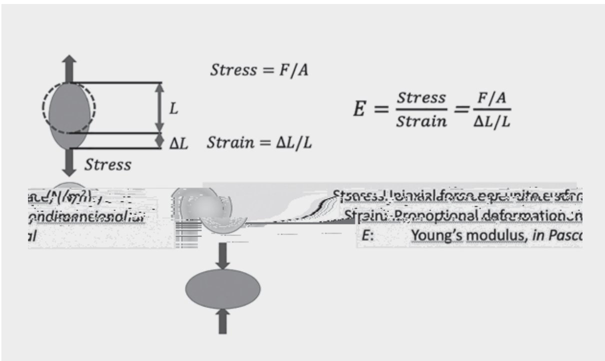




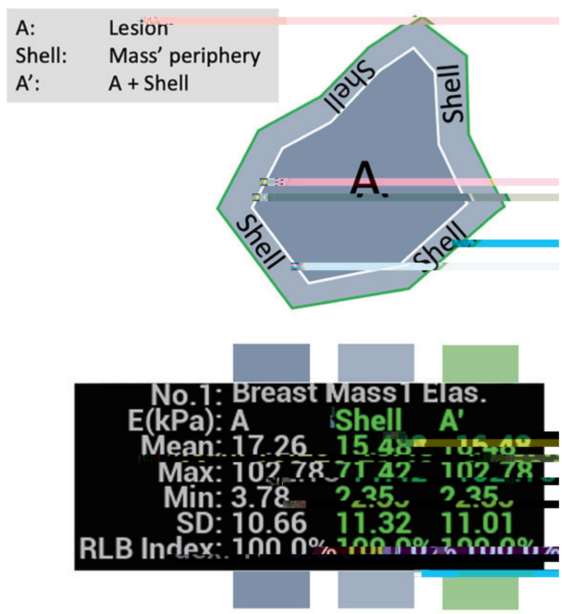


Shear wave elastography (SWE) technique





Practical applications of shear-wave elastography



Conclusion

[illegible]

[illegible]

[illegible]

Table 2. WFUMB Guidelines and Recommendations for Clinical Use of Ultrasound Elastography in Breast [11]

• Should elastography be performed/interpreted without B-mode?
[illegible]
• When should elastography be performed?
[illegible]
• Should one perform SE or SWE imaging?
[illegible]
• Should a benign elastography downgrade a BI-RADS 4b, 4c, or 5 lesion to BI-RADS 2 or 3?
[illegible]
• Should the Bull's Eye artifact be used to cancel breast biopsies?
[illegible]
• Are there situations when elastography should not be used?
[illegible]

References

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.mindra .com

P/N: ENG-Principles and Applications in Breast Imaging White Paper-210285X10P-20210419

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