**Deformation Imaging: 7th Hands-on Course in Strain Imaging**

**Wednesday, October 25 2023 at Ångströmlaboratoriet, Uppsala**

**In cooperation with GE**

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| **Program** | | |
| 09:30-09:45 | Welcome & course introduction | Frank Flachskampf, Uppsala |
| 09:45-10:15 | Basics of deformation imaging. Tissue velocity and deformation, speckle tracking, concepts, methodologies, image quality, pitfalls Per Lindqvist, Umeå | Per Lindqvist, Umeå |
| 10:15-10:30 | Coffee break |  |
| 10:30-11:50 | Introduction followed by hands-on instruction at EchoPAC® workstation: Patient cases. Strain imaging. Event timing. AFI 3.0. | Lars Måge, GE |
| 11:50-12:30 | Strain-mätning i vardagsarbetet | Jan Engvall, Linköping |
| 12:30-13:20 | Lunch break |  |
| 13:20-13:50 | Role of strain imaging in today’s clinical cardiology | Frank Flachskampf, Uppsala |
| 13:50-14:15 | Illustrative clinical cases | Per Lindqvist, Umeå |
| 14:15-14:30 | Coffee break |  |
| 14:30-15:20 | Advanced perspectives: Twist, torsion, 3D strain, layer strain, synchrony, TTP (time to peak), PSD (peak strain dispersion), Myocardial Work. LA Strain. RV Strain. Hands-on instruction at EchoPAC® workstation: Using advanced tools + patient cases | Lars Måge, GE |
| 15:20-15:30 | Open discussion & farewell |  |
| 15:30- | “Researcher’s Corner”: How to export data? And other questions. | Lars Måge, GE |

# About the course

# The course is a mix of teaching, electronic patient cases and hands-on, in Swedish and English. The Course fee is SEK 1500,- (ex. moms, incl. lunch and coffee breaks). Limited seats, first come – first served practical tasks. A computer will be provided for every participant.

# Location

Ångströmlaboratoriet Uppsala, Regementsvägen 1, 752 37 Uppsala, Hus 10 - see map on the back). From Uppsala C, take bus line nr.4 in the direction of Gottsunda to the stop “Polacksbacken”.

**Registration**

Sign up for the course by contacting Suzanna Wildebac, BMA and administrator:

suzanna.wildebac@akademiska.se

**Varmt Välkomna !**  
**Frank Flachskampf** **Lars Måge**,  
ÖL, Professor, Uppsala University Clinical & Application Leader, GE

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