















| Autor: Lothar Schad Abtelung: Medizinische Physik in der Radiologie 10/6/2004 Seite 9 | Оху | genation: | OEF Pa | rameter N | /laps | dkfz. | |
|--|----------|---------------------------|------------|---|---------|-----------|--|
| ^{T2} * | | R ₂ [H2] 10 H2 | | $\label{eq:Gradientecho / Spinecho Technique} at 1.5 Tesla $$TR = 1000 ms, FOV = 220 mm $$25 gradient echoes, $$Te_{cc} = 4 ms $$TE_{SE} = 118 ms, BW = 500 Hz/pixel $$Te_{cc} = 18 min $$$TE_{cc} = 18 min $$$TE_{cc} = 18 min $$$ | | | |
| λ[%] | 10% | OEF [%] | 100% | | mean | std. dev. | |
| | | 100 | <u>8</u> . | R2' | 2.3 Hz | 2.2 Hz | |
| | 8 5% | | 50% | λ | 3.4 % | 2.9 % | |
| | 91 67 | 1246 | | OEF _{Brain} | 43 % | 23 % | |
| | | NO 12 | | OEF _{GM} | 50-55 % | 15 % | |
| Bongers Dissertation 200 | 4, Heide | lberg | 0 % | | | | |

| hanks to | dkfz. | | | | | | | |
|---|--|---|--|--|--|--|--|--|
| | | | | | | | | |
| fMRI | Dr. Karaneh Razavi | ASL-Heart | | | | | | |
| BOLD | Dr. Frank Risse | T2*-dMRI | | | | | | |
| nn T1-dMRI | Dr. Peter Siegler | MRE | | | | | | |
| ASL-Brain | Sonia Nielles-Vallespin | ²³ Na | | | | | | |
| RPT-Lung | Jurek Maßner | HF-Pulses | | | | | | |
| | | | | | | | | |
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| Deutsches Krebsforschungszentrum (DKFZ), Heidelberg | | | | | | | | |
| http://www.dkfz-heidelberg.de/mrphys/ | | | | | | | | |
| | MRI BOLD nn T1-dMRI ASL-Brain RPT-Lung | Implementation Implementation Implementation Implementa | | | | | | |