

Details for MRI workshop on 26th March 2010 (Friday) from 11:30 to 13:00

If you have registered for the basic course on 26th March 2010 you can participate in the MRI workshop. Since you wish to participate in the workshop please could we ask you to do some pre course work?

Firstly you would need to download files required to make two CDs.

The CDs can also be downloaded from the internet .

The link for Disc 1A is .

<http://www.4shared.com/file/245876068/ff887de/MRIDisc1A.html>

Download the file MRIDISC1A.EXE. This is a big file, about 275 Mbs and will take at least one hour to download depending on your broadband speed. The file is a self extracting zip file. Copy all the files from the new folder onto a CD. Now use that CD to view the scans.

The link for Disc 1 B is .

<http://www.4shared.com/file/245912470/d44f2723/MRIDisc1B.html>

Download the file MRIDISC1B.EXE and follow the instructions as given above.

These files will not work from your hard drive. They need to be written onto a CD for it to work. Double click on autorun.exe to start the program.

Each CD contains MRI images of 5 patients. The name and other personal data except the year of birth has been removed for confidentiality reasons.

Please go through the CDs and try to fill in the **MRI scoring sheet**. A patient information sheet giving the clinical histories has also been enclosed. This was the clinical details provided to the radiologist prior to the scan. Please note that there are some errors on the CD in numbering the patient Eg There is just not one but a few Patient 6s. The best system would be to ignore the Patient Nos and just go by the year of birth. Each patient has a different year of birth. There is one other mistake in the clinical history sheet. Patient 5 is mentioned as being born in 1928. It is wrong and the correct year is 1922. The disc has the correct year. With this correction all the 10 patients on the disc will have different years of birth. We apologise for the above errors and for the short notice. However it should take less than an hour to run through all the MRI scans. Please fill in the **MRI scoring sheet** and bring it along with you for the course. When we ran the course last year we tested the participants before the course and after the course. This showed that there was statistically significant knowledge gain from the course. We hope to do that with MRI interpretation

Even if you are not coming for the workshop please feel free to download the files for the CD and the MRI scoring sheet. Submit the sheets and we will correct it and let you know how you did.

If you are coming for the workshop it is recommended that you bring your own laptops and these discs along with you. Please charge your laptops before the session on 26th as there may not be facility to charge your laptops at the venue. This exercise will hopefully allow you to learn how to view MRI scans better on digital media as this is also being covered during the workshop.

Dr. Peter Hughes . Workshop Instructor

Dr. Iswaran Ramachandran . Workshop Instructor

Mr. George Ampat . Course facilitator.

WORKSHOP DISC 1A

CLINICAL HISTORIES:

PATIENT 1 DOB: 01/01/1928

Seventy nine year old female patient with ongoing full length leg pain, left side worse than right. Associated parasthesia with positive left SLR at 45° and positive left femoral nerve test. Tender L4, stiffness of lumbar spine. Weight loss two stone in past twelve months. ? stenosis, ? cord compression.

PATIENT 2 DOB: 01/01/1994

Fourteen year old boy with two year history of low back pain. Increased pain with sporting activity, lower lumbar spine tenderness on palpation and decreased left femoral nerve stretch, ? cause of pain.

PATIENT 3 DOB: 01/01/1976

Previous discectomy at L5/S1. Now recurrence of back pain and right sciatica.

PATIENT 4 DOB: 01/01/1972

Thirty seven year old female patient with eight week history of severe low back pain and left sciatica. Numbness in sciatic distribution. Decreased sensation L5/S1 and absent S1 reflex. ? prolapsed disc, ? extent of nerve root compression.

PATIENT 5 DOB: 01/01/1928 2

Eighty six year old male patient with back pain and loss of weight. Heavy smoker. ? secondaries, ? myeloma, ? wedge fracture.

WORKSHOP DISC 1B

PATIENT 1 DOB: 01/01/1931

Seventy seven year old male patient with two month history of back pain and right sided sciatica in the L4 distribution. Weak right ankle reflex and dull sensation L4.

PATIENT 2 DOB: 01/01/1964

Forty three year old female patient with five year history of intermittent low back pain. Ten day history of radiating constant right leg pain. Decreased sensation right L5/S1 distribution and absent right ankle reflex. Previous Non Hodgkins lymphoma one year ago.

PATIENT 3 DOB: 01/01/1946

Sixty three year old male patient with past medical history of carcinoma colon. Complains of back pain and leg pain and numbness anterior aspect of tibia, x-ray shows OA, ? serious pathology in spine.

PATIENT 4 DOB: 01/01/1951

Fifty six year old male patient with recent history of lower thoracic back pain.

PATIENT 5 DOB: 01/01/1959

Fifty year old female patient with two month history of worsening right arm pain with parasthesia and numbness. Initial neck pain resolved. Positive spurlings. Sleep disturbance. ? pathology.

MRI SCORING SHEET - PRE COURSE

Dear Friend. When we ran the course last year we tested the participants before the course and after the course. This showed that there was statistically significant knowledge gain from the course. We hope to do that with MRI interpretation and we would be extremely grateful if you would take time and fill this questionnaire. Your help is eagerly solicited. The names are only for tracking the pre course and post course scores and will not be used for any other purpose.

Though each patient has three empty rows for diagnoses this does mean there are three relevant findings on each MRI. The three rows are only for uniformity.

Your Name:				
Your occupation	SPR / SHO / ESP / Physio / Osteopath / Chiropractor / Other (Please specify)			
	<small>(circle one response)</small>			
Previous experience regarding interpreting MRI scans	None / Minimal experience / Moderate experience / Extensive experience			
	<small>(circle one response)</small>			
Your comments regarding this exercise	Boring & a waste / No comments / Good / Excellent			
	<small>(circle one response)</small>			
Diagnosis	Level of lesion	Side of lesion	Nerve / Cord Compromise – Root / cord and name structure	Description of neurological compromise None / Touching / Displacing / Compressing
Patients in examples %one+ and %two+ given below don't exist on the disc. They are purely examples on how to fill in this form.				
Eg. One DOB 1980				
1 Disc prolapse	L4/5	Right	L5 Nerve root	Compressing
2 Disc bulge	L5/S1	Left	S1	Touching
3 Disc degeneration	L3/4	Central	None	None
Eg Two DOB 1930				
1 Metastatic deposit	T10	Central	Cord	Displacing
2 Metastatic deposit	T6	Central	Cord	Touching
3 Metastatic deposit	L4	Right pedicle	L4	Touching
Disc 1 A – DOB 1928				
1				
2				
3				
Disc 1 A – DOB 1994				
1				
2				
3				
Disc 1A – DOB 1976				
1				
2				
3				

MRI SCORING SHEET - PRE COURSE

Your Name:				
Disc 1A – DOB 1972				
1				
2				
3				
Disc 1A – DOB 1922				
1				
2				
3				
Disc 1B – DOB 1959				
1				
2				
3				
Disc 1 B – DOB 1951				
1				
2				
3				
Disc 1 B – DOB 1946				
1				
2				
3				
Disc 1 B – DOB 1964				
1				
2				
3				
Disc 1 B – DOB 1931				
1				
2				
3				