Multiple Sclerosis

The importance of neuro-urology

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Your next patient

• A 23 year old woman, works as a teacher, 10 days ago she developed blurred and painful vision in her right eye. 1 year ago she was very unbalanced for about a month [put down to viral labyrinthitis]
Prevalence of MS 2013: 2.3 million

People per 100,000 with MS
- Red: >100
- Orange: 60.01-100
- Dark Brown: 20.01-60
- Blue: 5.01-20
- Light Blue: 0-5
Trajectory

Disease progression

Disability

Relapses

MRI activity

Focal inflammation (relapses / MRI lesions)

Diffuse damage accumulation (neurodegeneration / failure of repair; disability / atrophy)
Key points

• 1. Relapses

• 2. Day to day

• 3. Prevent admissions
Relapses:

reduce severity
reduce frequency

treat infection-if present often UTI
Relapses: all sorts of shapes and forms
QS MSC scheme

- Urinalysis NAD and patient asymptomatic:
  - Administer IVMP
  - Send MSU/CSU

- Asymptomatic and trace of nitrites and/or leukocytes:
  - Send MSU/CSU
  - Administer IVMP
  - Check MSU/CSU result with laboratory results
  - If infection is identified, prescribe antibiotics according to sensitivities
  - Notify the medical team. Appropriate antibiotics should be prescribed following consultation with microbiology specialists

- Urinalysis and baseline observations Send MSU/CSU:
  - Asymptomatic and nitrites (+) and/or leukocytes (+):
    - Urinalysis & baseline
    - Check antibiotic allergy history. Administer IVMP & treat UTI with trimethoprim concurrently unless contraindicated
    - Check MSU/CSU result with laboratory
    - Once sensitivities have been identified, change antibiotics if clinically indicated
    - Patient to see GP 2 weeks post antibiotics for urinalysis to check if infection has resolved
    - Patient becomes systemically unwell during the 3 day course of IVMP. STOP TREATMENT
    - Discuss medical management with team

- Patient is systemically un-well, (indicated by observations):
  - Patient is systemically un-well, (indicated by observations)
  - NO IVMP
  - Proceed & monitor
  - Proceed with IVMP

Rate ~10%
7. MUCH MUCH better bladder symptom control—in particular....
Regional audit: standout

Figure 28: Top 20 primary conditions (in terms of cost) where the secondary diagnosis is multiple sclerosis, 2012/13 (Source: HES inpatient data).
Thank you