

Supplementary Table S1. Comments displayed to General Practitioners randomized in the intervention arm, by case-vignette.

Case vignette	Number 1	Number 2	Number 3	Number 4	Number 5	Number 6
Clinical situation	Complicated cystitis	Male UTI	Uncomplicated pyelonephritis	Pyelonephritis at risk of complication	Bacteriuria in pregnancy	Indwelling urinary catheter-associated bacteriuria
Sex	Female	Male	Female	Female	Female	Female
Age	76 years of age	60 years of age	33 years of age	77 years of age	29 years of age	43 years of age
Prior exposure to antibiotics	No	No	No	Levofloxacin 4 months ago	No	No
Pathogen	<i>P. mirabilis</i> >10 ⁵	<i>E. coli</i> >10 ⁶	<i>E. coli</i> >10 ⁵	<i>E. coli</i> >10 ⁶	<i>E. coli</i> >10 ⁶	<i>E. cloacae</i> >10 ⁵
Antibiotic susceptibility						
<i>Penicillins, Carbapenems, Monobactam</i>						
Pivmecillinam	Sensitive	Resistant	Sensitive	Sensitive	Sensitive	Not tested
Ampicillin	Resistant	Resistant	Resistant	Resistant	Sensitive	Not tested
Amoxicillin-Clavulanate (cystitis)	Sensitive	Resistant	Sensitive	Resistant	Sensitive	Resistant
Amoxicillin-Clavulanate (other)	Sensitive	Resistant	Sensitive	Resistant	Sensitive	Resistant
Piperacillin-Tazobactam	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Resistant
Temocillin	Sensitive	Resistant	Sensitive	Sensitive	Sensitive	Resistant
Ticarcillin	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant
Ertapenem	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
<i>Cephalosporins</i>						
Cefoxitin	Sensitive	Sensitive	Sensitive	Resistant	Sensitive	Resistant
Cefixime	Sensitive	Sensitive	Resistant	Resistant	Sensitive	Resistant
Ceftazidime	Sensitive	Sensitive	Intermediate	Intermediate	Sensitive	Resistant
Ceftriaxone	Sensitive	Sensitive	Resistant	Resistant	Sensitive	Resistant
<i>Aminoglycosides</i>						
Gentamicin	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
Amikacin	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
<i>Quinolones, Fluoroquinolones</i>						
Nalidixic acid	Intermediate	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
Ofloxacin	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
Levofloxacin	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
<i>Others</i>						
Sulfamethoxazole/trimethoprim	Resistant	Resistant	Sensitive	Sensitive	Sensitive	Sensitive
Nitrofurantoin (cystitis)	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
Fosfomycin (cystitis)	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive	Sensitive
Comment provided	« The first-line recommended treatment is pivmecillinam or nitrofurantoin »	« The first-line recommended treatment is a fluoroquinolone »	« The first-line recommended treatment is amoxicillin-clavulanate; the 2 nd line treatment is a fluoroquinolone or trimethoprim-sulfamethoxazole »	« The first-line recommended treatment is a fluoroquinolone or trimethoprim-sulfamethoxazole »	« Colonization to be treated. The first-line recommended treatment is amoxicillin; the 2 nd line treatment is pivmecillinam or fosfomycin tromethamol »	« According to guidelines, a urinalysis is not indicated except in case of pregnancy or for planned urological surgery»