

| TAILORING ANTIDEPRESSANT CHOICE TO PATIENT PROFILE |  | Eric Teboul M.D. | Jul-22  | ercteboul@videotron.ca |        |                 |                           |                |         |            |         |              |           |                   |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            |    |    |
|--|--|------------------|---------|------------------------|--------|-----------------|---------------------------|----------------|---------|------------|---------|--------------|-----------|-------------------|-----------------|-------------|----------|-------------|-------------|------------|------------------------|----------------|----------|---------------|--------------|--------------|-------------|-----------------|----------|------------|----------------------|------------|----|----|
| PATIENT PROFILE                                    |  | Fluoxetine       | Prozac® | Fluvoxamine            | Luvox® | Paroxetine      | Praxil (CR)® <sup>a</sup> | Sertraline     | Zoloft® | Citalopram | Celexa® | Escitalopram | Cipralex® | Bupropion (SR-XL) | Wellbutrin®     | Mirtazapine | Remeron® | Venlafaxine | Effexor XR® | Duloxetine | Cymbalta® <sup>a</sup> | Desvenlafaxine | Pristiq® | Quetiapine XR | Seroquel XR® | Vortioxetine | Trintellix® | Levomepharol ER | Fetzima® | Vilazodone | Vilbyd® <sup>a</sup> | References |    |    |
| DEPRESSION FEATURES                                | fatigue/ lack of energy or motivation                          |                  | X       |                        |        | O               |                           |                |         | O          | O       | O            | XX        | XX                | XX              | O           | O        | O           | O           | O          | O                      | XX             | XX       | O             | O            | O            | O           |                 |          |            |                      | 1          |    |    |
|  | requires a sedative antidepressant                             |                  | O       |                        |        |                 |                           |                |         |            |         |              | XX        | OO                |                 |             |          |             |             |            |                        |                | OO       |               |              |              |             |                 |          |            |                      | 2          |    |    |
|  | pt at high risk of attempting suicide by overdose              | O                |         | O                      |        | O               | X <sup>b</sup>            |                |         |            |         |              | XX        | XX                | XX              |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      | 3          |    |    |
| PT PREFERENCES / LIFESTYLE                         | would not tolerate weight gain                                 | O                | O       | XX                     | O      |                 |                           | O              | OO      | XX         | O       | O            | O         | XX                | O               | O           | O        | XX          | O           | OO         | O                      |                |          |               |              |              |             |                 |          |            |                      |            | 4  |    |
|  | would not tolerate sexual adverse effects                      | X                | O       | XX                     | XX     | X               | X                         | X              | OO      | OO         | X       | X            | O         | O                 | O               | O           | O        | O           | O           | O          | O                      | O              |          |               |              |              |             |                 |          |            |                      |            | 5  |    |
|  | wants to quit smoking  |                  |         |                        |        |                 |                           |                |         |            |         | O            |           |                   |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      | 6          |    |    |
|  | frequently forgets meds ( risk of withdrawal sx )              | O                | X       | XX                     | X      | X               | X                         | X              |         |            |         |              |           | X                 | XX              | X           |          |             |             |            |                        |                |          | O             |              |              |             |                 |          |            |                      |            | 7  |    |
|  | substantial alcohol consumption / binge drinker                |                  |         |                        |        | X               |                           | O              |         |            |         |              |           | OO                |                 |             |          | X           |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 8  |    |
| PSYCHIATRIC COMORBIDITIES                          | anxiety  |                  |         | O                      | O      |                 |                           | O              | X       |            | O       | O            |           |                   | O               | O           |          | O           | X           | O          |                        |                |          |               |              |              |             |                 |          |            |                      |            | 9  |    |
|  | panic disorder, agoraphobia                                    | O                | O       | O                      | O      |                 |                           | O              | X       | O          | O       |              |           |                   |                 |             | O        |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 10 |    |
|  | social anxiety disorder  | X                | OO      | OO                     | OO     | O               | OO                        |                |         | X          | OO      |              |           |                   |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 11 |    |
|  | obsessive-compulsive disorder                                  | O                | O       | O                      | O      |                 |                           | O              | X       | O          |         |              |           |                   |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 12 |    |
|  | post-traumatic stress disorder                                 | OO               |         | O                      | O      |                 |                           |                |         | X          |         |              |           |                   |                 | O           | O        |             |             |            |                        | O              |          |               |              |              |             |                 |          |            |                      |            | 13 |    |
|  | attention deficit / hyperactivity disorder                     |                  |         |                        | X      |                 |                           |                |         |            |         |              | OO        |                   |                 | OO          | O        | O           |             |            |                        |                |          | X             |              |              |             |                 |          |            |                      |            | 14 |    |
|  | binge-eating disorder (witout vomiting)                        | X                |         |                        |        | O               | O                         |                |         |            |         |              | OO        |                   |                 |             |          | O           |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 15 |    |
|  | bulimia  | O                | X       |                        |        | O               |                           |                |         |            |         |              | X         |                   |                 |             |          | O           |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 16 |    |
| paraphilia or hypersexuality                       | O  | O                | O       | O                      | O      | O               |                           |                |         |            |         | X            |           |                   |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      | 17         |    |    |
| MEDICATION INTERACTIONS                            | pt taking meds metabolised by CYP 2D6, like risperidone        | XX               | XX      | XX                     | X      | O               | O                         | X              | O       | O          | X       | OO           | O         | X                 | OO              | X           | OO       | X           |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 18 |    |
|  | patient is taking multiple meds                                | XX               | XX      | XX                     | X      | O               | O                         | X              | OO      | O          | X       | OO           | XX        | X                 |                 |             |          |             |             |            |                        | XX             | X        |               |              |              |             |                 |          |            |                      |            | 19 |    |
|  | pt is taking a 1A2 inhibitor ( Cipro, cimetidine, ticlopidine) |                  | X       |                        |        |                 |                           |                |         |            |         |              |           |                   |                 | O           | O        | OO          | XX          | X          |                        |                | O        |               |              |              |             |                 |          |            |                      | 20         |    |    |
| CHRONIC PAIN SYNDROMES                             | fibromyalgia   | O                |         | O                      |        |                 |                           |                |         |            |         |              |           |                   |                 |             |          | OO          | O           |            |                        |                |          |               |              |              |             |                 |          |            |                      | 21         |    |    |
|  | depression with pain of unknown origin                         |                  |         |                        |        |                 |                           |                |         |            |         |              |           |                   |                 |             |          |             | O           |            |                        |                |          |               |              |              |             |                 |          |            |                      | 22         |    |    |
|  | diabetic neuropathic pain                                      |                  |         | O                      |        | O               |                           | O              |         |            |         |              |           |                   | OO <sup>c</sup> | OO          |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      | 23         |    |    |
| MEDICAL COMORBIDITIES                              | irritable bowel syndrome                                       |                  |         | O                      |        | O               |                           |                |         |            |         |              | OO        | O                 |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 24 |    |
|  | vulnerable to nausea/vomiting                                  | X                | X       | X                      | X      | X               | X                         | X              | O       | OO         | XX      | X            | X         | X                 | X               | X           | X        | X           | X           | X          | X                      | X              | X        | X             | X            | X            | X           | X               | X        | X          | X                    |            | 25 |    |
|  | risk factors for QT prolongation including certain meds        | O                | O       | OO                     | O      | XX <sup>b</sup> | X <sup>b</sup>            | X <sup>b</sup> | O       | O          | X       | O            | OO        |                   |                 |             |          |             |             |            |                        |                |          | O             | O            | O            |             |                 |          |            |                      |            | 26 |    |
|  | heart disease or uncontrolled hypertension                     | O                |         |                        | O      | O               | O                         | O              | O       | X          | O       | O            |           |                   |                 | X           | O        | X           |             |            |                        |                |          | O             | X            |              |             |                 |          |            |                      |            | 27 |    |
|  | liver disease or insufficiency                                 |                  |         | X                      | X      | O               | O                         | X              |         |            |         | X            |           |                   |                 | X           | X        |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 28 |    |
|  | severe renal insufficiency                                     |                  |         |                        |        |                 |                           |                |         |            |         | X            |           |                   |                 | X           | X        |             |             |            |                        |                |          |               |              |              | X           |                 |          |            |                      |            | 29 |    |
|  | Restless legs syndrome   |                  |         | X                      | X      |                 |                           | X              | OO      | XX         |         |              |           |                   |                 |             |          |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 30 |    |
|  | menopause-related hot flashes                                  | O                |         | O                      |        | O               | O                         |                |         |            |         |              |           | O                 | O               | O           | O        | O           | O           | O          | O                      | O              | O        | O             | O            | O            | O           | O               | O        | O          | O                    |            | 31 |    |
| SPECIAL SITUATIONS                                 | age < 18 y.o. (caution re: risk of covert bipolarity)          | OO               |         |                        | O      |                 | O                         |                |         |            |         |              |           |                   |                 | XX          | O        |             |             |            |                        |                |          |               |              |              |             |                 |          |            |                      |            | 32 |    |
|  | pregnant or planning to be                                     | X                | X       | XX                     | O      | O               | O                         | X              |         |            | X       | X            | X         |                   |                 | X           | X        | X           |             |            |                        |                | X        | X             | X            | X            | X           | X               | X        | X          | X                    |            | 33 |    |
|  | breastfeeding  | X                | O       | OO                     | OO     | X               | O                         | O              | O       | O          | X       | O            |           |                   |                 |             |          |             | O           |            |                        |                |          |               |              |              |             |                 |          |            |                      |            |    | 34 |
|  | Covered by provincial med insurance (Québec)                   | O                | O       | O                      | O      | O               | O                         | X              | O       | O          | O       | O            | O         | O                 | O               | O           | O        | X           | O           | O          | O                      | O              | O        | O             | X            | X            |             |                 |          |            |                      |            |    |    |

**LEGEND:**

O = use of this antidepressant is particularly advantageous for this patient or good evidence of efficacy in this situation  
X = use of this antidepressant is particularly disadvantageous or contraindicated for this patient

a = should be taken with food (improves bioavailability of sertraline and vilazodone; reduces nausea with duloxetine)

b = reflecting concerns of possible QT interval prolongation, Health Canada issued an advisory warning that citalopram and escitalopram are contraindicated for pts with congenital long QT syndrome or a known long QT interval (>500 msec) and recommending that doses not exceed Cit 40 mg, Escit 20 mg (or Cit 20, Escit 10 if hepatic insuff, in pts ≥ 65 y.o., and in pts taking CYP2C19 inhibitors like cimetidine or who are CYP2C19 slow metabolisers). However, a very large cohort study found no ↑ risks of ventric. arrhythmia or all-cause, cardiac, or noncardiac mortality with Cit doses > 40 mg/day, casting doubt on the merits of these warnings (Zivin K et al. Am J Psychiatry. 2013;170:642-650). The FDA notes that escit was NOT associated with a significantly ↑ QT interval (03/2012)

c = at doses of 150 - 225 mg/day