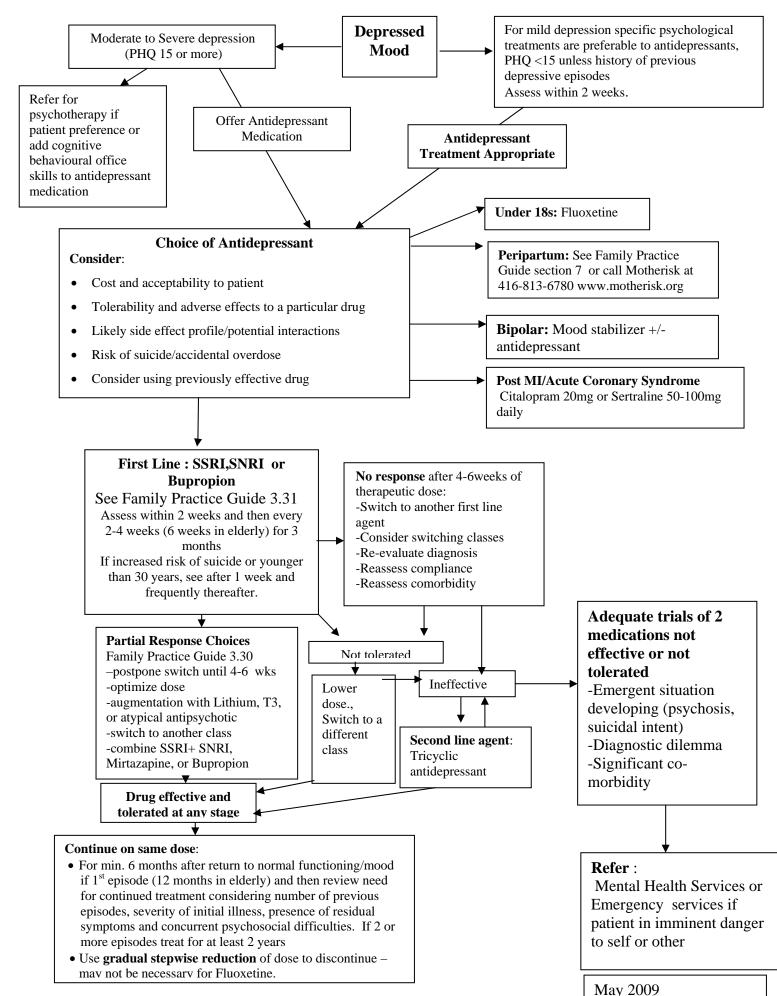
Algorithm for Initiating Antidepressant Therapy in Depression



MAJOR DEPRESSIVE DISORDER

| THERAPEUTIC DOSES AND COSTS OF COMMONLY PRESCRIBED ANTIDEPRESSANTS | | | | | | | |
|--|---|---|---|---|------|---|-------------------|
| Antidepressant | USUAL STARTING AND (DAILY DOSE) (MG) | | | | FECT | | Cost per Day (\$) |
| FIRST LINE ANTIDEPRESSANTS | | A | B | С | D | E | |
| SSRI | | | | | | | |
| Citalopram (Celexa) | 10 qd (20-40) | 0 | 0 | 0 | 4 | 2 | 0.94-1.88 |
| Fluoxetine (Prozac) | 10 qd (20-40) | 0 | 0 | 0 | 4 | 3 | 1.08-2.16 |
| Fluvoxamine (Luvox) | 25 qd (100-200) | 0 | 0 | 0 | 4 | 3 | 0.95-1.90 |
| Paroxetine (Paxil) | 10 qd (20-40) | 0 | 0 | 0 | 4 | 3 | 1.18-2.36 |
| Sertraline (Zoloft) | 25 qd (50-150) | 0 | 0 | 0 | 4 | 3 | 1.07-3.21 |
| SNRI | | | | | | | |
| Venlafaxine (EffexorXR) | 37.5 qd (75-300) | 0 | 0 | 0 | 4 | 2 | 1.73-5.19 |
| SECOND LINE ANTIDEPRESSANTS | | | | | | | · |
| Novel action | | | | | | | |
| Bupropion-SR (Wellbutrin) | 100 qam(150-300) | 0 | 0 | 0 | 0 | 2 | 0.88-1.54 |
| Mirtazapine (Remeron) | 15 qd (30-60) | | | | | | 1.33-2.66 |
| Trazodone (Desyrel) | 50 bid(200-400) | 0 | 1 | 3 | 3 | 2 | 0.84-1.68 |
| TCA | | | | | | | |
| Amitriptyline (Elavil) | 25 bid (100-250) | 5 | 5 | 4 | 2 | 2 | 0.32-0.80 |
| Clomipramine (Anafranil) | 25 bid (100-250) | 2 | 3 | 3 | 3 | 3 | 0.86-2.15 |
| Desipramine (Norpramin) | 25 bid (100-250) | 1 | 2 | 1 | 1 | 3 | 0.92-2.28 |
| Imipramine (Tofranil) | 25 bid (100-250) | 2 | 4 | 1 | 3 | 3 | 0.66-1.65 |
| Nortriptyline (Aventyl) | 25 qd (75-150) | 1 | 4 | 2 | 1 | 2 | 0.77-1.63 |
| RIMA | | | | | | | |
| Moclobemide (Manerix) | 150bid(450-600) | 2 | 1 | 3 | 2 | 2 | |
| THIRD LINE ANTIDEPRESSANTS | | | | | | | |
| MAOI* | | | | | | | |
| Phenelzine (Nardil) | 15qam (30-75) | 3 | 3 | 3 | 3 | 3 | 0.74-1.86 |
| Tranlycypromine (Parnate) | 10 bid (20-60) | 2 | 2 | 3 | 2 | 3 | 0.73-2.20 |

THERAPEUTIC DOSES AND COSTS OF COMMONLY PRESCRIBED ANTIDEPRESSANTS

Data adapted from the BC Drug Formulary and the Manufacturers' list (2001)

RIMA :Reversible monoamine oxidase inhibitor; TCA = Tricyclic antidepressant; SNRI =Serotonin and norepinephrine reuptake inhibitor MAOI =Monoamine oxidase inhibitor ;SSRI = Selective serotonin reuptake inhibitor

* Use with caution because of dietary restrictions and drug-drug interactions

Side Effect information from "The Canadian Psychotropic Handbook First Edition" 2000 Sudler and Hennessey

Side Effects= 0=none; 1=very low; 2=low; 3=moderate; 4=high; 5=very high

A= Anticholinergic (dry mouth, blurred vision, constipation, urinary retention, sweating, tachycardia, confusion) B= Antihistaminic (drowsiness, weight gain)

C= Anti- alpha- adrenergic (orthostatic hypotension, dizziness, reflex tachycardia, sedation)

D= Serotonergic (GI distress, headache, nervousness, akathesia, EPS, sweating, sexual dysfunction, anorexia)

E= Adrenergic (tremors, tachycardia, sweating, insomnia, sexual dysfunction)

Not all medications listed are eligible for coverage under the No-Charge Psychiatric Medication Program (Plan G). Coverage information is provided on the BC PharmaCare website at <u>www.health.gov.bc.ca/pharme/outgoing/plangtable.html</u>.

APPENDIX 2: WOMEN'S MENTAL HEALTH ISSUES

Detailed information on the specific application of these treatment modalities in the perinatal period is in the (1) *Best Practices Guidelines relating to Reproductive Mental Health*, and (2) *Self-Care Program for Women with postpartum depression & anxiety (see Resources). See also the section on non-pharmacological therapies in the Guide*.

Pharmacotherapy in the Perinatal Period

Practice Issues: Antidepressants in Pregnancy and Postpartum

- Sustaining maternal mental health throughout pregnancy is the key to ensuring an optimum outcome for the baby.
- As yet, there is little evidence for the efficacy of psychotherapy in the treatment of moderate to severe depression in pregnant, depressed women.
- Resolution of symptoms for women in this category is best achieved, at present, with antidepressant medications.
- Women with severe depression and with a prior history of depression can be treated with a combination of antidepressant medication and psychotherapy.
- To date, existing evidence suggests that the most commonly used antidepressant medications, such as SSRIs (e.g., Prozac, Paxil, Zoloft, Luvox and Celexa) and SNRIs (e.g., Effexor), have not been associated with major birth defects.
- There is increasing concern regarding transient neonatal adaptation symptoms following prenatal exposure.
- This has led the Health Canada (see Health Canada Advisory below) and the US Food and Drug Administration (FDA) to issue warnings regarding third-trimester SSRI and SNRI use for treating depression during pregnancy.
- The recent concern over the warnings by Health Canada and the US FDA regarding infants exposed to antidepressants in the third trimester, has lead to a clinical dilemma for treating physicians. The evidence for these warnings is:
 - based on case reports and retrospective data.
 - the number of cases studied tends to be small, particularly with newer anti-depressants
- In addition, the presence/absence of symptoms observed in neonates are governed by a complex set of factors including:
 - prematurity
 - maternal mental and physical health
 - use of concomitant substances (e.g., alcohol, cigarettes)
 - polypharmacy
- Characteristics of this Neonatal Poor Adaptation Syndrome include:
 - transient course in the infant
 - resolution within the first few days of life
 - no evidence of long-term consequences in the children.
 - the use of multiple psychotropic medications during pregnancy with an SSRI appears to increase the risk of these symptoms

Neonatal Management Issues

- An infant can be identified as being at risk for transient Neonatal Poor Adaptation Syndrome if the mother is:
 - taking a high dose of any antidepressant medication
 - on more than one medication
 - if the woman is mentally ill and/or under-treated

APPENDIX 2: WOMEN'S MENTAL HEALTH ISSUES

- The infant's behaviour should be monitored closely :
 - by nursing and medical staff
 - if there are signs of abnormal Central Nervous System (CNS) behaviour, avoid early discharge and consider a differential diagnosis
 - obtain infant drug levels if possible where a diagnosis remains unclear
- Supportive neonatal care of symptomatic infants can be provided by using the following approach:
 - provide low level stimulation
 - support breastfeeding
 - provide supportive measures where appropriate
 - follow symptoms closely
- Ensure long-term follow-up for mother and infant.

| | TABLE 3: AMERICAN FOOD AND DRUG ADMINISTRATION RISK CATEGORIES |
|----------------------|---|
| a) Pr | egnancy Risk Categories |
| А | Adequate, well-controlled studies in pregnant women have failed to demonstrate a risk to the developing fetus. |
| В | Either animal studies show a risk, but human studies do not; or, if no adequate studies have been conducted in pregnant women, then animal studies have not demonstrated a risk. |
| С | Human studies are lacking, and animal studies have either produced adverse effects or are also lacking. Therefore, the risk of medication exposure in the fetus cannot be ruled out. Medications should be used in pregnancy only when potential benefits outweigh potential risk. |
| D | Positive evidence of fetal risk has been demonstrated in humans. However, the potential benefits of use in pregnant women may outweigh the potential risks, thus decisions must be made on an individual basis. |
| Х | The medication is contraindicated in women who are or may become pregnant. The fetal risk of medication exposure clearly outweighs any potential benefits to the mother. |
| The l <i>Medi</i> | actation Risk Categories actation risk classification system has been developed by Hale, and is described in detail in his publication cations in Mothers' Milk, 9 th edition (2000). The 5 categories closely follow the pregnancy risk categories of DA, and they outline the infants' risk of medication exposure through breast milk. The medication has been taken by a large number of breastfeeding mothers without any documented adverse effects in their nursing infants. Controlled studies have been conducted and have not identified an increased risk to infants. |
| L2 | The medication has been studied in a limited number of breastfeeding women, and no adverse effects have been documented in their infants. |
| L3 | No controlled studies of the medication have been conducted in breastfeeding women. The medication should be used only when the potential benefits to the mother outweigh the potential risks of infant exposure. |
| L4 | There is documented evidence of risk to infants exposed to this medication through breast milk. However, the potential benefits of use of the medication in women may outweigh the potential risk to the nursing infants, so the decision must be made on an individual basis. |
| L5 | This medication is contraindicated in mothers who are breastfeeding. Human studies have clearly demonstrated risk to exposed infants, and this risk outweighs any potential benefits. |

| | | TABLE 4 | : SSRIs (Select | tve Serotonin Reuptake Inhibitors) i | N THE PERINATAI | Period |
|-------------------------|---|------------------------------------|---|---|--|--|
| | | (from | n Best Practice Gu | uidelines relating to Reproductive Mental | Health. January | 2003). |
| Drug Class | START DAILY DOSE AT (MG) ^a | MAX DAILY DOSE AT (MG) | FDA Pregnancy Risk Category ^b | FETAL RISKS [¢] | Hale's Lactation Risk Category ^d | Breastfeeding ^e |
| Fluoxetine (Prozac®) | 10 | 80 | В | Fluoxetine exposure in pregnancy is not associated with increased teratogenic effects in humans, but perinatal effects of 3 rd trimester exposure have been reported. A study of 55 preschool children exposed to fluoxetine <i>in utero</i> reported no long-term adverse effects with respect to IQ, language, or behaviour. | L3 for neonates L2 for older infants | Norfluoxetine, the active metabolite of fluoxetine, has a very long half-life that predisposes to accumulation in the infant, particularly neonates. Adverse effects (colic, fussiness, crying, seizure activity, lower weight gain) have been documented. |
| fluvoxamine (Luvox®) | 50 | 300 | С | Use of these SSRIs during pregnancy does not appear to have teratogenic effects, but data is limited. One prospective case series reported 26 exposures to fluvoxamine, 97 to paroxetine, and 147 sertraline in pregnancy. The rates of malformations were similar between all 3 groups, and were not higher than those reported for the control group. | L2 | Two small case studies of fluvoxamine exposure through breast milk have reported very low levels in the breast milk, and no adverse events in the infants. |
| citalopram (Celexa®) | 10 | 60 | С | A review of 375 cases of citalopram exposure in early pregnancy found that the rate of congenital anomalies was not higher than that for SSRI exposure or for the general population | L3 | 20 cases reported. 1 case report of uneasy sleep in the infant, correlated to high serum concentration of citalopram. Symptoms were short-lasting and disappeared after a dose decrease. Data is limited. |
| Paroxetine (Paxil®) | 10 | 60 | В | Transient neonatal withdrawal (?) symptoms have been reported | L2 | Paroxetine does not have an active metabolite. It is excreted into breast milk but with generally undetectable serum levels in infants; no adverse effects have been reported. |
| sertraline (Zoloft®) | 50 | 225 | В | | L2 | Milk levels have been reported for sertraline and its weak metabolite desmethylsertraline, but with low or undetectable serum levels in the infant. There is one report of a nursing infant with 50% of maternal serum levels, but no adverse effects noted. |

a monograph doses are guidelines only. Doses must be individualized for each patient.

adapted from the Food and Drug Administration (FDA, 1979). See Table 3a. b

comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th edition, as С well as TW Hale (2000), Medications in Mothers' Milk, 9th edition.

d

adapted from TW Hale (2000). Medications in Mothers' Milk, 9th edition. See Table 3b. comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th edition, as well as TW Hale (2000), Medications in Mothers' Milk, 9th edition. е

| | TABLE 5: ATYPICAL ANTIDEPRESSANTS IN THE PERINATAL PERIOD(from Best Practice Guidelines relating to Reproductive Mental Health. January 2003) | | | | | | | | |
|----------------------------------|---|---------------------------------|---|---|--|---|--|--|--|
| DRUG CLASS | START DAILY DOSE AT (MG) ^a | MAX DAILY DOSE AT (MG) | FDA Pregnancy Risk Category ^b | Fetal Risks ^e | HALE'S LACTATION RISK CATEGORY ^d | Breastfeeding ^e | | | |
| bupropion (Wellbutrin SR®) | 100 | 300 | В | Insufficient human data available to ascertain the teratogenicity of these agents. Caution is recommended, and when possible, use an alternate medication with better know effects. | L3 | Bupropion and its two metabolites have been measured in milk with reported milk: plasma ratios of up to 8.7, however no adverse effects have been reported. | | | |
| trazodone (Desyrel®) | 75 | 600 | С | No documented teratogenic effects | L2 | Trazodone is excreted in milk with peak levels at 2 hours. | | | |
| venlafaxine (Effexor®) | 75 | 225 | С | No documented teratogenic effects. | L3 | One case report of high infant venlafaxine levels transferred through breastmilk. No adverse effects reported. | | | |

| | TABLE 6: TRICYCLIC ANTIDEPRESSANTS IN THE PERINATAL PERIOD ^F (from Best Practice Guidelines relating to Reproductive Mental Health. January 2003) | | | | | | | | |
|------------------------------|--|---------------------------------|---|--|--|---|--|--|--|
| DRUG CLASS | START DAILY DOSE AT (MG) ^a | MAX DAILY DOSE AT (MG) | FDA Pregnancy Risk Category ^b | Fetal Risks ^e | Hale's Lactation Risk Category ^d | Breastfeeding ^e | | | |
| Amitriptyline (Elavil®) | 25-75 | 300 | D | Data analysis has shown that TCA exposure in pregnancy does not increase the incidence of teratogenic effect in humans. | L2 | All TCAs are excreted into human breast milk in low concentrations. The active metabolite of doxepin has a long half-life (37 hrs) and can be hazardous due to documented high accumulations in nursing infants. | | | |
| imipramine (Tofranil®) | 25-75 | 300 | D | As above | L2 | As Above | | | |
| Clomipramine (Anafranil®) | 25-75 | 300 | С | Neonatal withdrawal symptoms have been associated with high doses of clomipramine | L2 | As Above | | | |

For tables 5 & 6

a monograph doses are guidelines only. Doses must be individualized for each patient.

- b adapted from the Food and Drug Administration (FDA, 1979). See Table 3a.
- c comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th edition, as well as TW Hale (2000), Medications in Mothers' Milk, 9th edition.
- d adapted from TW Hale (2000). Medications in Mothers' Milk, 9th edition. See Table 3b.
- e comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th edition, as well as TW Hale (2000), Medications in Mothers' Milk, 9th edition.
- f doses adapted from the Clinical Handbook of Psychotropic Drugs, 10th revised edition (2000). Starting doses of medications are lower for pregnant and postpartum women than for the general adult population. Bezchlibnyk-Butler KZ, Jeffries JJ, Editors. Toronto, Hogrefe & Huber Publishers, 2000.

| | | ТА | BLE 7: BENZODIA | ZEPINES IN THE PERINATAL PER | IOD | |
|---------------------------|---|---------------------------------|---|---|--|--|
| | (from | Best Practic | ce Guidelines rela | tting to Reproductive Mental Heal | th. January 2003 |). |
| | Start Daily Dose at (Mg) ^a | MAX DAILY Dose at (MG) | FDA Pregnancy Risk Category ^b | FETAL RISK [°] | Hale's Lactation Risk Category ^d | Breastfeeding ^e |
| Alprazolam (Xanax®) | 0.5 | 4 | D | Exposure to benzodiazepines in utero has been associated with withdrawal symptoms, including irritability and restlessness. Alprazolam has not been associated with congenital anomalies during human pregnancies, however, caution is urged, as data is limited. | L3 | Benzodiazepines are excreted into breast milk. These medications are not ideal during breastfeeding due to relatively long half- lives; chronic exposure may therefore be of concern. Monitor infants closely for sedation. Withdrawal symptoms have been reported in infants exposed to alprazolam through breast milk. |
| clonazepam (Rivotril®) | 0.25 | 8 | С | Clonazepam exposure during pregnancy has been associated with symptoms of newborn toxicity, including apnea, cyanosis, lethargy, and hypotonia. No long-term effects have been reported for clonazepam, although data is limited. | L3 | Is preferred by the Reproductive Mental Health program due to intermediate length of action. |
| Diazepam (Valium®) | 5 | 30 | D | Diazepam use in pregnancy has been associated with oral clefts, though the data is conflicting. | L3-acute L4-chronic | Diazepam and its metabolite have long half- lives and tend to accumulate when used for chronic treatment. Diazepam treatment has been associated with withdrawal, lethargy, sedation, and poor suckling in nursing infants. |
| Lorazepam (Ativan®) | 1 | 6 | D | Placental transfer of lorazepam is lower than that of other benzodiazepines, but high doses in pregnancy have been associated with "floppy infant syndrome". | L3 | When benzodiazepines are indicated, lorazepam may be preferred over the others, due to its shorter half-life and absence of active metabolites. |

a monograph doses are guidelines only. Doses must be individualized for each patient.

b adapted from the Food and Drug Administration (FDA, 1979). See Table 3a.

adapted from the rood and Drug Administration (FDA, 1979). See Table 3a.
 comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th Edition, as well as TW Hale (2000), Medications in Mothers' Milk, 9th edition.
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 e comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th Edition, as well as TW Hale (2000). Medications in Mothers' Milk, 9th edition. See Table 3b.
 e comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th Edition, as well as TW Hale (2000), Medications in Mothers' Milk, 9th edition.

| | | TAB | LE 8: MOOD STAE | BILIZERS AND NEUROLEPTICS IN THE PER | unatal Period ⁴ | A Contraction of the second seco |
|---|---|------------------------------------|--|---|--|--|
| | | (from B | est Practice Guia | lelines relating to Reproductive Mental H | <i>ealth</i> . January 20 | 03) |
| DRUG CLASS | START DAILY DOSE AT (MG) ^b | MAX DAILY DOSE AT (MG) | Pregnancy Risk Category ^e | FETAL RISK ^d | LACTATION RISK CATEGORY ^e | BREASTFEEDING ^f |
| carbamazepine (Tegretol®) | 200 | 1600 | С | Estimated risk of neural tube defects with carbamazepine (CBZ) during pregnancy is 1%. Facial dysmorphism has also been associated with CBZ and VP during pregnancy. Women of childbearing age taking CBZ or VP should take folic acid supplements prior to conception and throughout the pregnancy. | L2 | Both carbamazepine and valproate are approved by the American Academy of Pediatrics for use in breastfeeding mothers. Smal amounts are secreted into breastmilk and have been measured in infant serum, but neither of these medications have been found to be associated with adverse events in infants. |
| Valproate (Epival®) | 750 | 3000 | D | Estimated risk of neural tube defects 3-8%. Other risks see above (CBZ). | L2 | As above. |
| Lithium carbonate (Lithane®, Carbolith®) | maint. : 400 acute: 900 | 1200 2400 ^g | D | First trimester exposure to lithium has been associated with a increased risk of fetal cardiovascular anomalies, particularly Ebstein's anomaly (1:1000). Use near term may produce neonatal toxicity. | L4 | Lithium is excreted into breastmilk at 30 – 40% of maternal serum concentrations, and therefore is contraindicated during breastfeeding. |
| Haloperidol (Haldol®) | 1.5 | 6 | С | Haloperidol does not have known teratogenic effects based on animal data and limited case reports in humans. | L2 | Caution advised, observe infant for sedation. |
| Loxapine (Loxapine®) | 15 | 250 | С | There are no published studies on the use of loxapine in pregnant women. Animal studies with loxapine have shown retarded fetal development. | L4 | Loxapine is a potent tranquilizer, and may produce adverse effects in the developing fetus or nursing infant. |
| Olanzapine (Zyprexa®) | 2.5 | 10 | С | A report from the Lilly Worldwide Safety Database on 23 pregnancy outcomes found no increased risk of adverse fetal outcomes. | L3 | There is very limited data available on the use of olanzapine during breastfeeding. Caution is advised. |
| Quetiapine (Seroquel®) | 50 | 600 | С | There are no published studies on the use of quetiapine in pregnant women. | L4 | No information is available on the use of quetiapine during breastfeeding. |
| Risperidone (Risperdal®) | 1 | 8 | С | There are no published studies on the use of risperidone in pregnant women. | L3 | One case report of a nursing infant exposed to risperidone did not indicate any adverse effects. |

а doses adapted from the Clinical Handbook of Psychotropic Drugs, 10th revised edition. Starting doses of medications are lower for pregnant and postpartum women than for the general adult population.

b monograph doses are guidelines only. Doses must be individualized for each patient.

С

adapted from the Food and Drug Administration (FDA, 1979). See Table 3a. comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th edition, as well as TW Hale (2000), Medications in Mothers' Milk, 9th edition. d

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adapted from TW Hale (2000). Medications in Mothers' Milk, 9th edition. See Table 3b. comments adapted from GG Briggs et al., (1998), Drugs in Pregnancy and Lactation, 5th edition, as well as TW Hale f (2000), Medications in Mothers' Milk, 9th edition.

g starting and high doses are higher for mania and adjunct psychotic states than for panic disorder and anxiety.

MAJOR DEPRESSIVE DISORDER

WASHOUT RECOMMENDATIONS FOR SWITCHING ANTIDEPRESSANTS

Adapted from Guidelines for the Diagnosis and Pharmacological Treatment of Depression. Toronto, ON, Canadian Network for Mood and Anxiety Treatments, 1998.

| Switch to 🗲 | SSRI | Novel | ТСА | RIMA | MAOI |
|------------------------------|--|--|---|--------------|--------------|
| Switch from V | | | | | |
| SSRI | No washout | No washout | No washout | 1 week | 1 week |
| citalopram | No washout | No washout | No washout | Tweek | Tweek |
| fluoxetine | May have additive | May have additive | Start TCA at a | (5 weeks for | (5 weeks for |
| fluvoxamine | serotonergic side | serotonergic side | lower dose | fluoxetine) | fluoxetine) |
| paroxetine | effects for 1 week (5 weeks for fluoxetine) | effects for 1 week (5 weeks for fluoxetine) | | | |
| sertraline | weeks tor hubbeline) | | Some SSRIs can increase serum TCA levels for 1 week (5 weeks for fluoxetine) | | |
| NOVEL | | | | | |
| bupropion-SR | No washout | No washout | No washout | 1 week | 1 week |
| mirtazapine | | | | | |
| venlafaxine-XR | May have additive serotonergic side effects for 1 week | May have additive serotonergic side effects for 1 week | | | |
| TCA | | | | | |
| desipramine nortriptyline | No washout | No washout | No washout | 1 week | 1 week |
| amitriptyline | Serum TCA levels | | | | |
| imipramine | may be increased by some SSRIs for 1 | | | | |
| others | week | | | | |
| RIMA | | | | | |
| moclobemide | 3 days | 3 days | 3 days | N/A | 3 days |
| ΜΑΟΙ* | | | | | |
| phenelzine | 2 weeks | 2 weeks | 2 weeks | 2 weeks | 2 weeks |
| tranylcypromine | | | | | |

Safety Plan

If you have thoughts of hurting yourself, start at Step 1. Go through each step until you are safe. Remember: Suicidal thoughts can be very strong. It may seem they will last forever. With support and time, these thoughts will usually pass. When they pass, you can put energy into sorting out problems that have contributed to you feeling so badly. The hopelessness you may feel now will not last forever. It is important to reach out for help and support. You can get through this difficult time. Since it can be hard to focus and think clearly when you feel suicidal, please copy this and put in places where you can easily use it, such as your purse, wallet or by the phone.

| 1. Do the following activities to ca | Im/comfort myself: |
|---|---|
| 2. Remind myself of my reasons fo | r living: |
| Call a friend or family member: Name: | Phone: |
| | |
| Call a backup person if person a Name: | Phone: |
| 5. Call a care provider (psychologis | st, psychiatrist, therapist): |
| Name: | Phone: |
| 6. Call my local crisis line: Phone: | |
| 7. Go somewhere I am safe: | |
| | |
| 8. Go to the Emergency Room at the | he nearest hospital. |
| 9. If I feel that I can't get to the hos They will send someone to trans | spital safely, call 911 and request transportation to the hospital sport me safely. |

1-800-SUICIDE (1-800-784-2433)

MAJOR DEPRESSIVE DISORDER

Bipolar Disorder

Generally, initiate a mood stabilizer on admission with mania, hypomania, or bipolar depression.

| PRESCRIBING MOOD STABILIZERS | | | | | | | |
|------------------------------|---|--|----------------|--|--|--|--|
| Mood Stabilizer | USUAL STARTING AND (DAILY DOSE) (MG) | | Plasma Levels | | | | |
| FIRST LINE MOOD STABILIZ | ER | | | | | | |
| Lithium Carbonate | 300 bid (900-1800) | Nausea, vomiting, diarrhoea, dry mouth, weight gain, fatigue, dizziness, fine hand tremor, polyuria, hypothyroidism, cognitive blunting, psoriasis, acne, alopecia, edema, teratogen; Toxicity: ataxia, vertigo, dysarthria, confusion, nystagmus | 0.8-1.0 mmol/L | | | | |
| Valproate (Epival) | 250 bid (750-1750) | Nausea, vomiting, diarrhoea, rash, indigestion, sedation, tremor, alopecia, weight gain, menstrual disturbances, thrombocytopenia, leucopenia, teratogen Toxicity: ataxia, nystagmus, diploplia, dysarthria | 350-700 umol/L | | | | |
| Carbamazepine (Tegretol) | 100 bid (600-1200) | Allergic skin reactions, drowsiness, headache, diploplia, blurred vision, ataxia, dizziness, nausea, vomiting, tremor, dry mouth, confusion, sedation, low WBC, weight gain | 17-50 umol/L | | | | |
| Lamotrigine | 25qd (75-250) | Skin rash, dizziness, diploplia, headache, somnolence, ataxia, nausea, vomiting, blurred vision, sedation | Nil | | | | |
| SECOND LINE MOOD STABILI | ZER | | | | | | |
| Gabapentin | 300 qd (900-1800+) | Somnolence, dizziness, ataxia, fatigue, nystagmus, tremor, diploplia | Nil | | | | |
| ANTI-MANIC ADJUNCTS | | | | | | | |
| Clonazepam (Rivotril) | 2 bid (6-12 acute) | | Nil | | | | |
| Atypical Antipsychotics | See below | | Nil | | | | |

- Discontinue antipsychotic typically six months after there has been a good response.
- Maintain on a mood stabilizer.
- A combination of a mood stabilizer and a very low dose of an antipsychotic is an option for treating refractory bipolar disorder.