

CHINOOK LUNG FUNCTION CLINIC

204 542 7 Street South

LETHBRIDGE, AB T1J 2H1

PHONE: 403-327-7675 FAX: 403-327-7674

Appointment Date: _____

BRONCHIAL PROVOCATION (METHACHOLINE CHALLENGE) PATIENT INFORMATION

(Please call 403- 327- 7675 if unable to attend appointment)

PURPOSE: This test will rule out certain lung conditions.

PREPARATION:

1. It is **essential that you do not** take any medications for your breathing prior to testing.

2 Weeks Prior: Spiriva (Tiotropium Bromide Monohydrate)

3 Days Prior:

No Altanax, (hydroxyzine) Reactineor Zytec (cetirizine). Other antihistamines or antihistamine/decongestants such as: Allegra, Seldane, Claritin, Triaminic, Tavist, Benadryl, Cholor-Tripolon, Dristan, Dimetane, Drixoral, Optimine, Ornade, Polarmine, Pyribenzamine, Sine-Off, Sudafed Plus, Actifed, Coricidin, Periactin, or Phenegran should be stopped.

24 Hours Prior:

Serevent, Oxeze, (long lasting Bronchodilators), Foradil, Theophylline preparations (Theodur, Quibron, Uniphyll, etc.,) Advair, Symbicort.

12 Hours Prior:

Ventolin, Berotec, Bricanyl, (Bronchodilators), Airomir, Salbutamol.

2. You may eat a light breakfast and/or light lunch.
3. Avoid smoking and the use of caffeine.
4. Please rebook if you have had a cold or chest infection in the past 6 weeks.

PROCEDURE:

1. In the Pulmonary Function Testing room, the therapist will do a baseline-breathing test on you to make sure that your test is within acceptable limits prior to starting the actual procedure.
2. If the baseline test is normal, you will inhale a control solution of saline. Testing will then take place at intervals of 30 seconds, 90 seconds.
3. If results are still normal, then a drug called Methacholine will be inhaled. Again, testing will take place at 30 seconds and 90 seconds.
4. There may be up to 10 levels of this drug given, so testing can take one half to two hours to complete.
5. Testing will continue until a 20% change is noted on the breathing test, or until you have completed the highest level of Methacholine.
6. As testing progresses, you may notice some chest tightness and/or coughing.
7. At the end of the test, you will inhale a bronchodilator (which will reverse any adverse reaction to the Methacholine)
8. A repeat test will be performed after 15 minutes to ensure that your results have returned to normal.
9. Once you feeling well, you will be allowed to leave.