

# BC Cancer Protocol Summary for Suppressive Therapy for Pituitary Adenomas using Quinagolide

**Protocol Code** *CNQUIN*  
**Tumour Group** *Neuro-Oncology*  
**Contact Physician** *Dr. Brian Thiessen*

## ELIGIBILITY:

- Pituitary adenomas producing prolactin (prolactinoma) or growth hormone

## EXCLUSIONS:

- Pregnancy
- Severe hepatic impairment
- Severe renal impairment

## TESTS:

- Baseline: Prolactin level, CT or MRI pituitary, pregnancy test if applicable, visual field and vision assessment if macroadenoma.
- At 4 weeks, repeat prolactin level, then repeat as clinically indicated.
- At 12 months, prolactin level and CT or MRI pituitary; thereafter, prolactin level annually.
- If clinically indicated: CT or MRI pituitary
- For macroadenoma, confirm improvement in any visual field and vision abnormalities before continuing quinagolide on a long term basis.

## PREMEDICATIONS:

- None

## TREATMENT:

Drug	Dose	BC Cancer Administration Guideline
quinagolide	0.075 mg daily	PO with food

## DOSE MODIFICATIONS:

### 1. Dose Titration:

- Titrate dose upward according to prolactin level
- If prolactin normalises, reduce to the lowest dose that maintains it in normal range

## 2. Visual Field Abnormalities:

- Reduce dose only **after** visual field abnormalities have normalized and tumour shrinkage confirmed with imaging.

## PRECAUTIONS:

1. **Hypotension:** May occur during the first few days of treatment.
2. **Pregnancy:** Seek medical advice if pregnancy occurs during treatment.
3. **Hepatic Dysfunction:** Use with caution in severe hepatic impairment.
4. **Renal Dysfunction:** Use with caution in severe renal impairment (i.e. CrCl = 30 mL/min or less).

**Call Dr. Brian Thiessen or tumour group delegate @ (604) 877-6000 or 1-800-663-3333 with any problems or questions regarding this treatment program.**

## References:

1. Quinagolide (NORPROLAC®) monograph – 2009
2. Personal communication: Clara Pham, Medical Information Associate in consult with Anne Brusby, Medical Director, Ferring Inc.