

Table 5. Pulmonary Toxicity Associated with the Nitrosoureas

Nitrosoureas	Clinical syndromes	Potential risk factors
Carmustine (BCNU)	<ul style="list-style-type: none"> • Early onset interstitial lung disease • Late onset pulmonary fibrosis • Pneumothorax 	<ul style="list-style-type: none"> • High cumulative dose • Female sex • Concurrent or prior exposure to other chemotherapeutic agents • Underlying pulmonary disease • Therapeutic chest radiation • Exposure to oxygen therapy • Young age (<6 years) at the time of treatment
Other nitrosoureas (lomustine [CCNU], semustine [methyl CCNU], chloroethylnitrosourea)	<ul style="list-style-type: none"> • Early or late onset interstitial lung disease and/or pulmonary fibrosis 	<ul style="list-style-type: none"> • (presumably similar to carmustine)