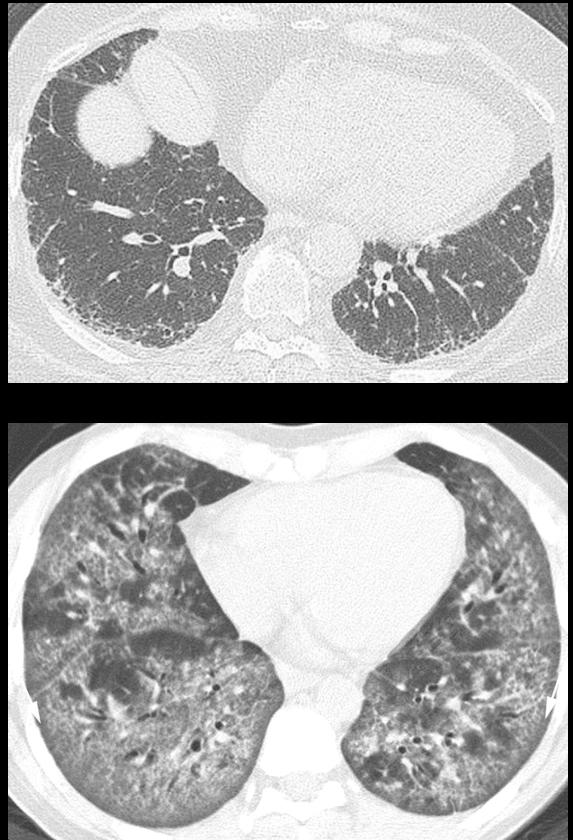
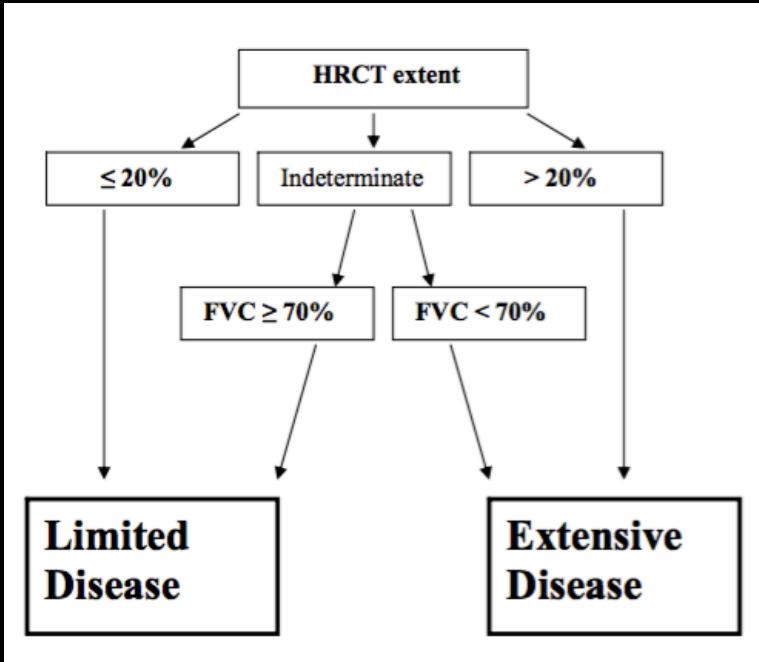


PROGNOSTIC FACTORS

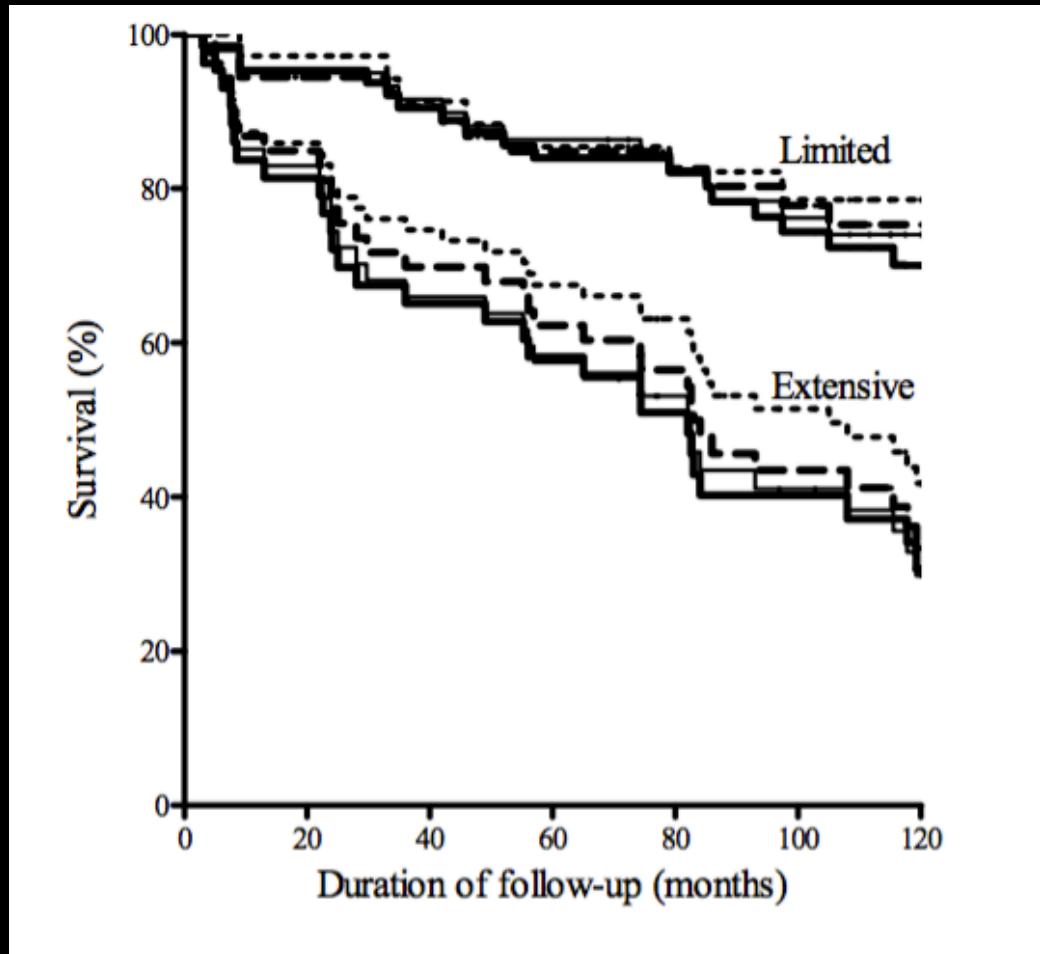
DISEASE EXTENT



SSc



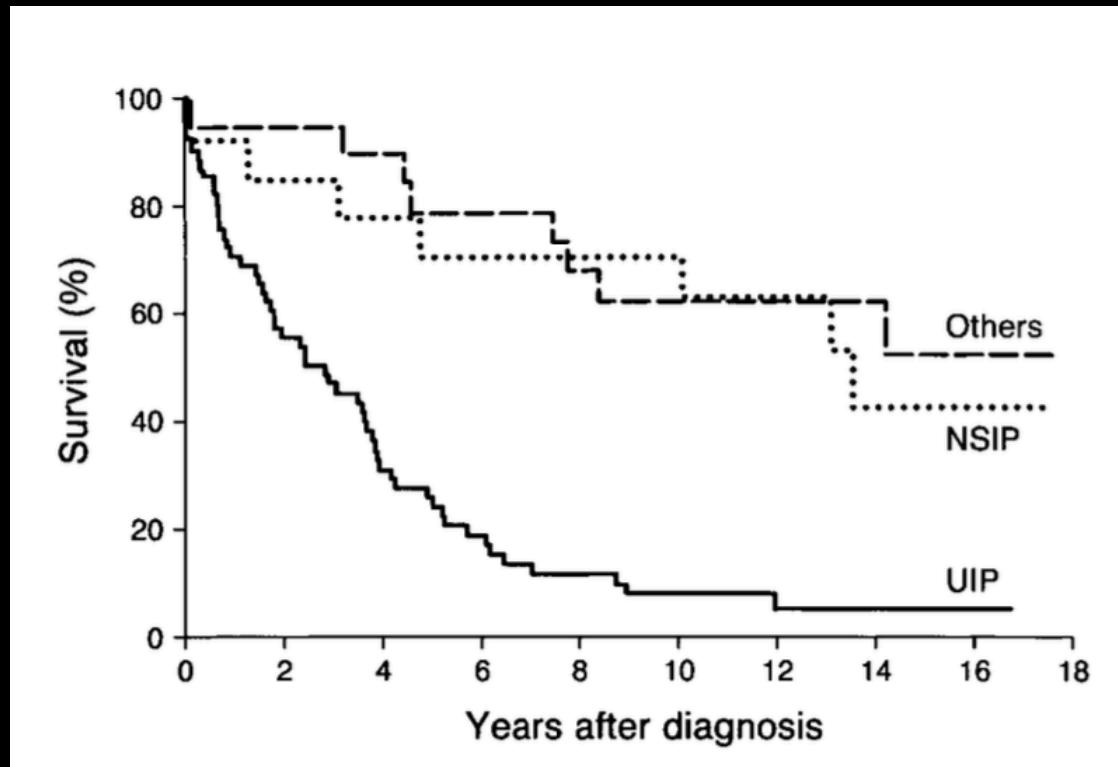
Goh et al Interstitial lung disease in systemic sclerosis: a simple staging system.
Am J resp Crit Care Med. 2008 Jun 1;177(11):1248-54.



Goh et al
Interstitial lung disease in systemic sclerosis: a simple staging system.
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IDIOPATHIC INTERSTITIAL PNEUMONIA

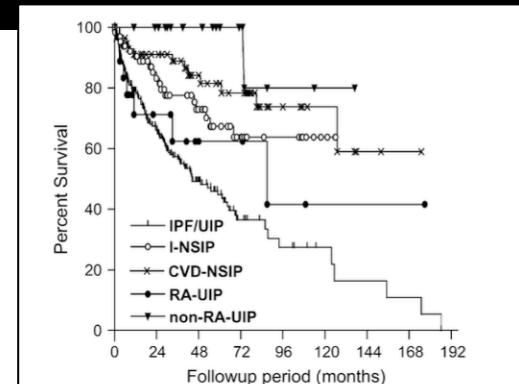
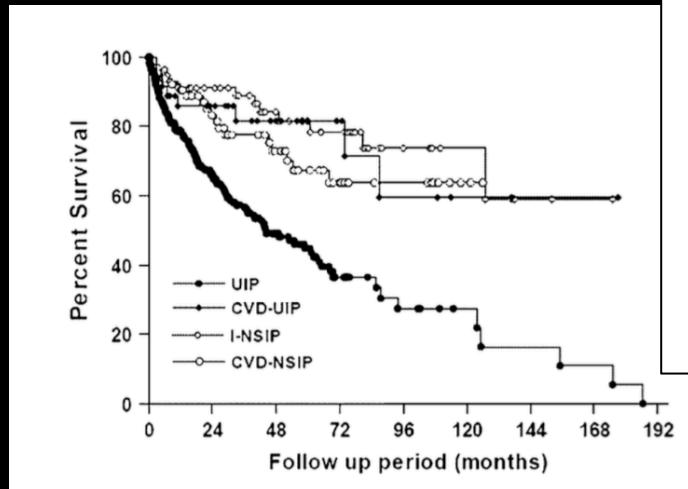
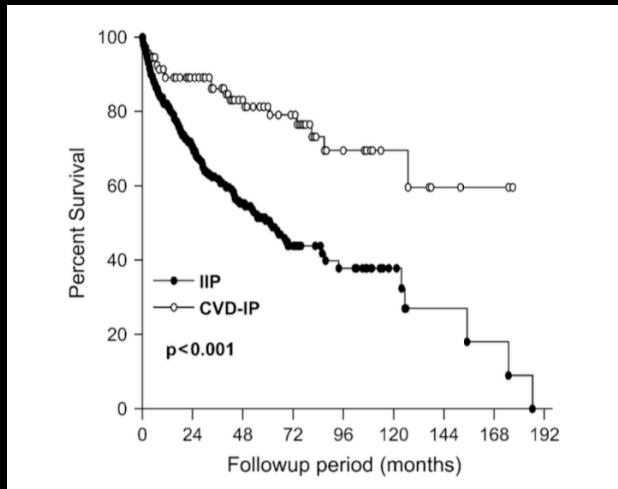
Prognostic significance of histological pattern



- Bjoraker JA et al. Am J Respir Crit Care Med 1998; 157:199
Daniil ZD et al. Am J Respir Crit Care Med 1999;160:899
Nicholson AG et al. Am J Respir Crit Care Med 2000;162:2213
Travis WD et al. Am Surg Pathol 2000; 24:19

FIBROTIC INTERSTITIAL PNEUMONIA

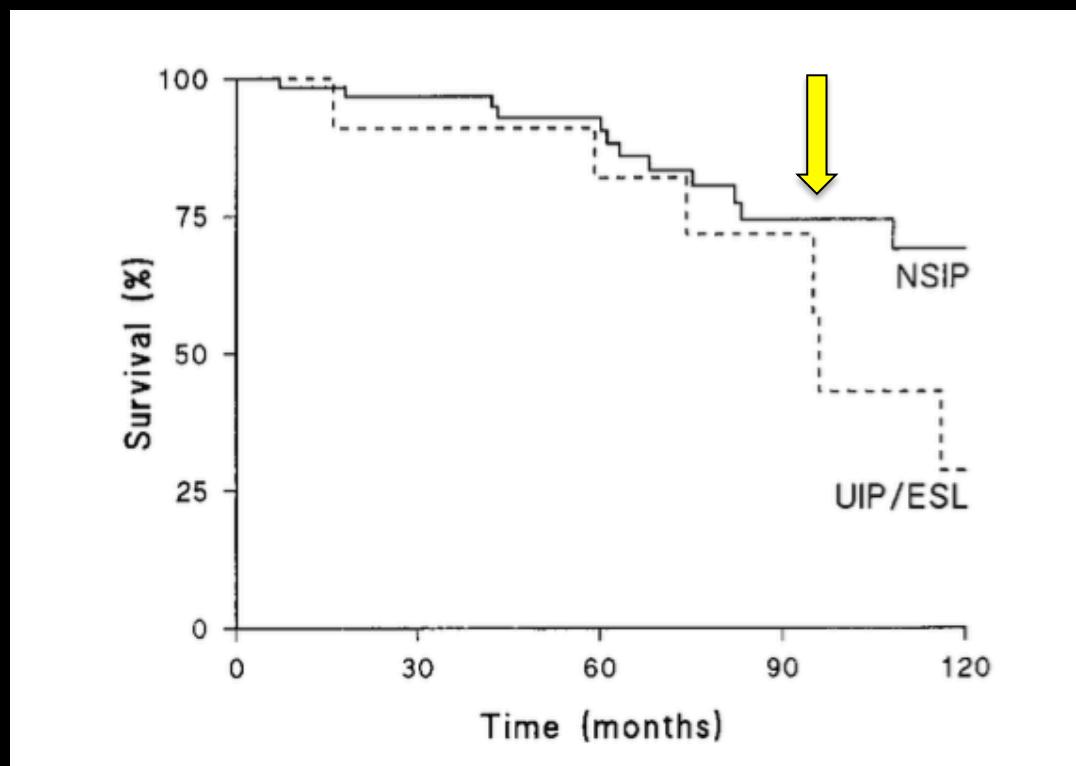
Idiopathic vs connective tissue disease related subtypes



Park et al. Prognosis of fibrotic interstitial pneumonia: idiopathic versus collagen vascular disease-related subtypes. Am J Respir Crit Care Med. 2007;175:705-11.

Prognosis in CTD- related ILD

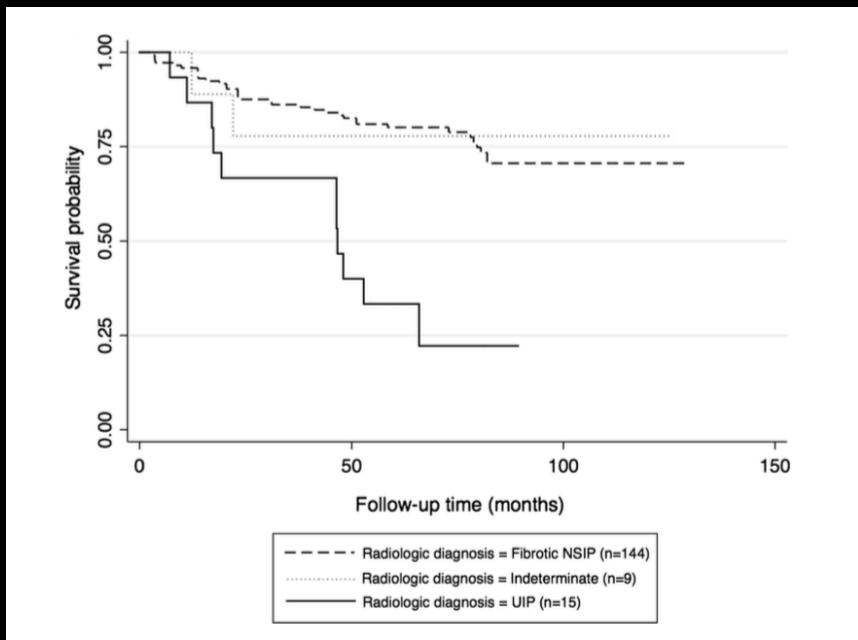
Influence of Histopathological Pattern: Scc



Bouros D et al. AM J Respir Crit Care Med 2002;165;1581

FIBROTIC ILD IN CTDs

Prognostic effects of CT patterns



Walsh SLF et al. Connective tissue disease related fibrotic lung disease: high resolution computed tomographic and pulmonary function indices as prognostic determinants
Thorax 2014; 69: 216-222

IMPORTANCE OF PATTERN

Table 4 Crude HRs for mortality according to HRCT and pulmonary indices in CTD-FLD (n=168)

Variable	HR	95% CI	p Value
Total interstitial disease extent	1.02	1.01 to 1.04	<0.001
Ground-glass opacification	0.99	0.97 to 1.02	0.753
Fine reticulation	1.04	1.01 to 1.06	0.001
Coarse reticulation	1.06	1.01 to 1.11	0.014
Honeycombing	1.13	1.07 to 1.19	<0.001
Traction bronchiectasis	1.10	1.05 to 1.15	<0.001
Radiological diagnosis	4.37	2.20 to 8.62	<0.001
FVC %predicted	0.99	0.98 to 1.01	0.394
FEV ₁ %predicted	0.98	0.42 to 1.02	0.511
DLco %predicted	0.96	0.94 to 0.99	<0.001

CTD-FLD, connective tissue disease related fibrotic lung disease.

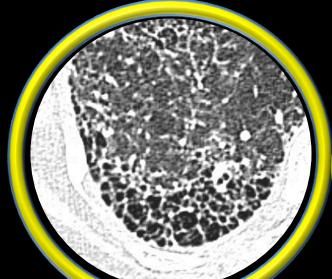
PROGNOSTIC FACTORS IN CTD-ILD



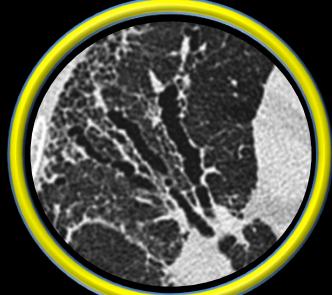
DISEASE EXTENT



UIP vs NSIP



HONEY COMBING



TRACTION BRONCHIECTASIS

SUMMARY

- ILD is common in CTD and poses significant morbidity and mortality
- ILD pattern seen in CTD mimics those IIP (not in prevalence)
- Extent of disease, UIP vs NSIP, honey combing, traction bronchiectasis- prognostic information

THANK YOU

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