

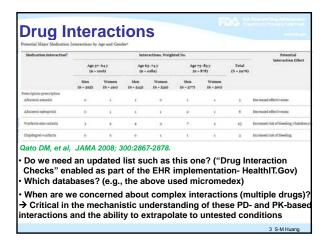


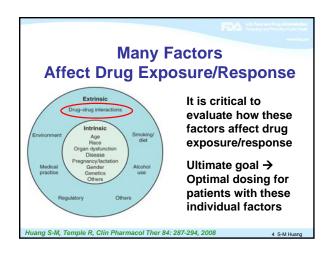


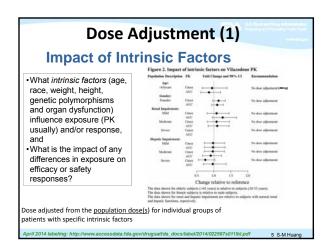
- National survey of 3005 communityresiding older adults (>57 YO) in US
- 80% of individuals takes ≥ 1 medical product (prescription, OTC, supplement)
- 50% takes at least 5 medical products
- 30% takes at least 5 prescription drugs
- > 1/25 at risk of major drug-drug interactions

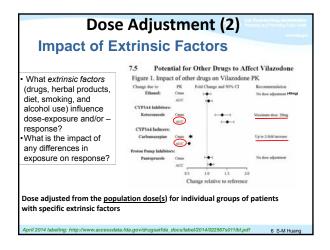
Qato DM, et al, JAMA 2008; 300:2867-2878.

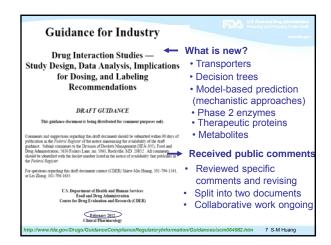
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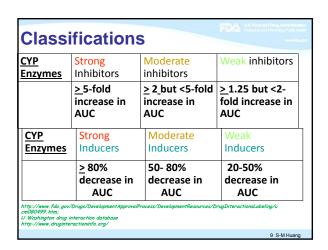


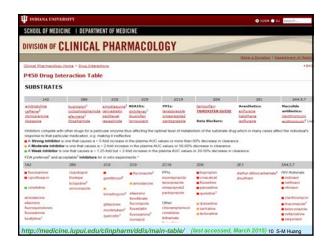












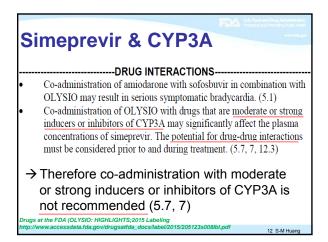
Dasatinib & CYP3A

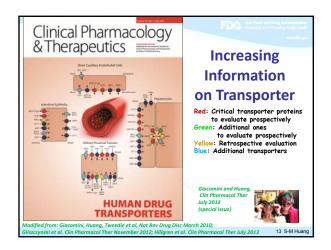
2 DOSAGE AND ADMINISTRATION

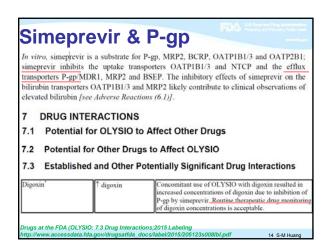
2.1 Dose Modification

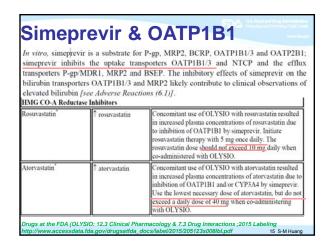
Concomitant Strong CYP3A4 inhibitors: CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, clarithromycin, atazanavir, indinavir, nefazodone, nelfinavir, ritonavir, saquinavir, telithromycin, and voriconazole) may increase dasatinib plasma concentrations. Grapefruit juice may also increase plasma concentrations of dasatinib and should be avoided.

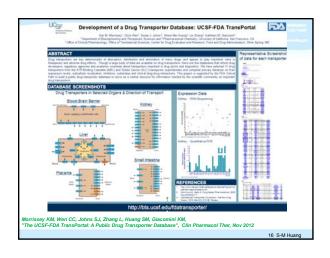
Selection of an alternate concomitant medication with no or minimal enzyme inhibition potential, if possible, is recommended. If SPRYCEL must be administered with a strong CYP3A4 inhibitor_a dose decrease should be considered. Based on pharmacokinetic studies, a dose decrease to 20 mg daily should be considered for patients taking SPRYCEL 100 mg daily. For patients taking SPRYCEL 140 mg daily, a dose decrease to 40 mg daily should be Drugs at the FDA (Sprycel, "DOSAGE and ADMINISTRATION) 2015 Labeling http://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s016s017lbledt.pdfhttp://www.accossodata.da.gov/drugsatida_docs/label/2015/021986s0



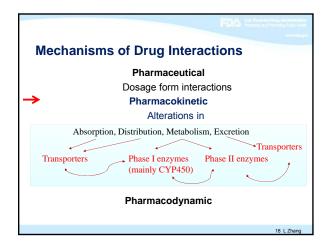


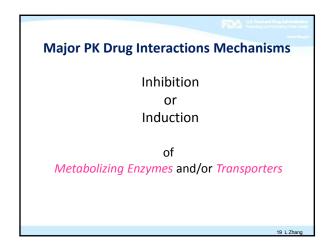


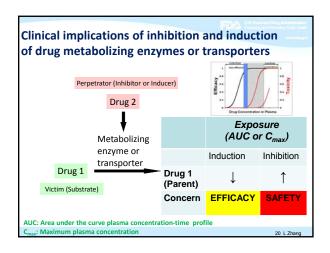


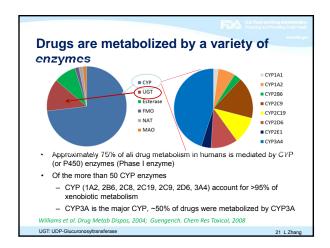


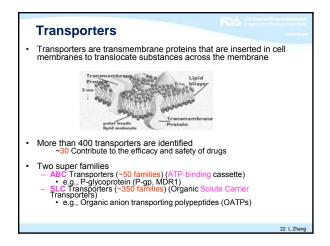


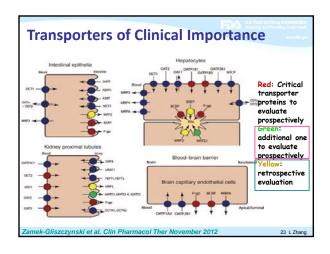


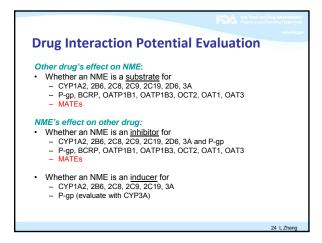


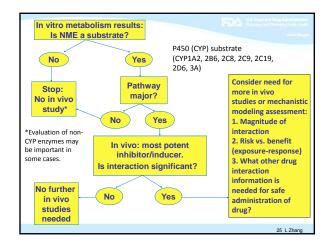


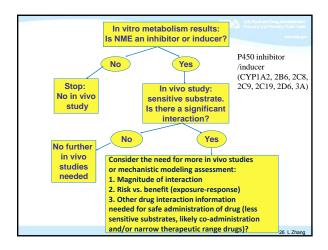


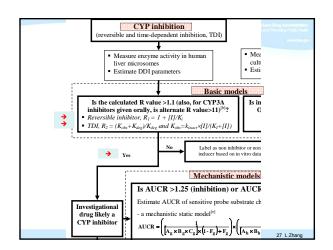


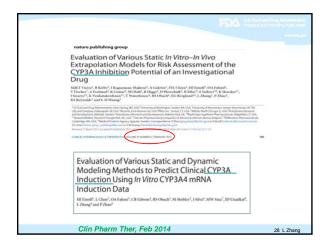


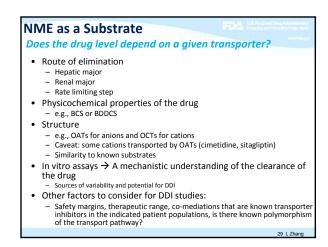


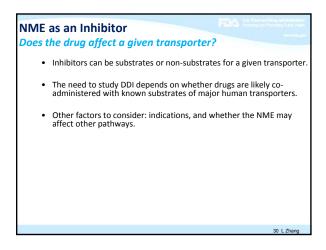


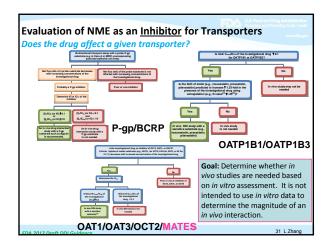


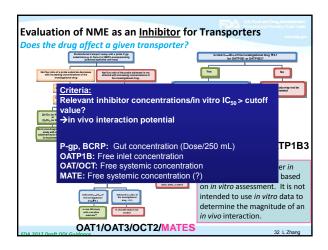




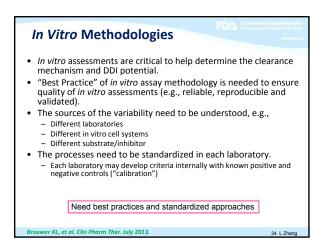


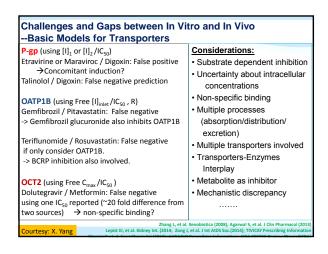


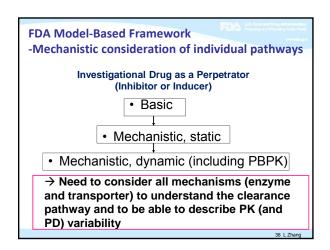


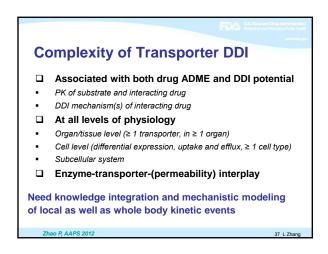


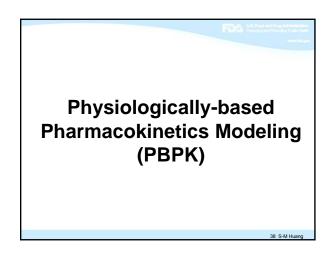
Recommendations related to transporters • Recommended sponsors to evaluate major transporters as described in the ITC paper • Continuing dialog with industry, academia, other regulatory agencies • Consulting and collaborating with experts in the field (ITC; IQC and academia, CYP inhibition and induction workgroups as an example; sabbatical scientists) • FDA OCP Transporter Scientific Interest Group continuing research to define/refine in vitro criteria in determining the need to conduct in vivo studies



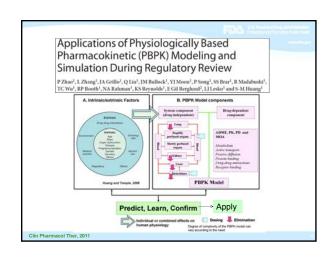


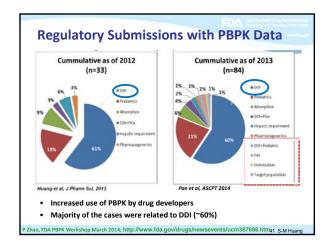


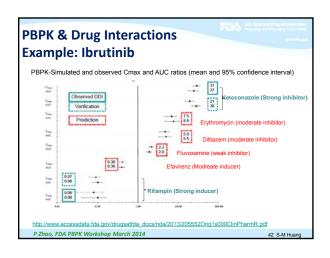


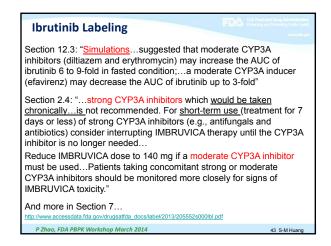


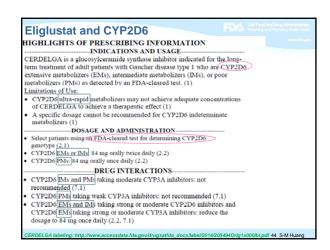


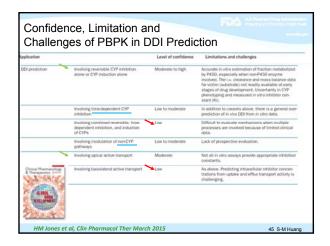


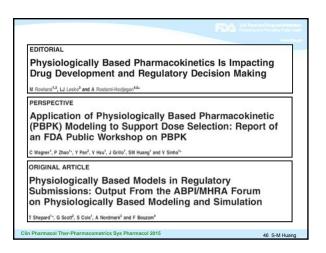












Summary Drug interactions is one critical factor in determining the best drug or dose for individual patients Recent development of molecular biology has improved understanding of the mechanisms behind drug-drug, drug-juice, drug- supplement interactions Careful evaluation of drug interaction potential during drug development provides key labeling information for patients FDA and other regulatory agencies have provided guidance on the evaluation of drug interactions Continual collaborations among stake holders are key to useful information for patients



